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Practitioner's Docket No. 6074-2 PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: KALTHOFF, Robert Michael, et al.

Application No.: 10/813,918 Group No: 3626

Filed: Mar 31, 2004 Examiner: TOMASZEWSKI, M.

For: Secure Network Gateway for Accessible Patient Data and Transplant Donor Network

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

07/12/2005 SHASSEN1 00000009 502413 10813918
01 FC:1806 180.00 DA

THIRD-PARTY SUBMISSION IN PUBLISHED APPLICATION
(37 C.F.R. § 1.99)

1. The above-identified application has been published on May 12, 2005.

   This submission is being made within two (2) months from the date of publication of the above application.

2. Attached hereto is:

   ✓ A list of patents or publications submitted for consideration by the Office, including the date of publication of each patent or publication.

   ✓ A copy of each listed patent or publication in written form.

   ____ Except that only the pertinent portions of only the following listed patents and publications are being provided.

   ____ An English language translation of all the necessary and pertinent parts of any non-English language patent or publication in written form relied upon.

3. Service of this paper and the attachments thereto have been made on the applicant and the proof of such service is attached.

4. Fees Due

   ✓ Fee set forth in § 1.17(p) ($180.00) $ 180.00

5. Payment of Fees

____ Attached is a __ check __ money order in the amount of $_____

✓ Authorization is hereby made to charge the amount of $180.00

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✓ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

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Signature of Practitioner

Tel. No.: (225) 336-5200

Warner J. Delaune, Jr.
Adams and Reese, LLP
450 Laurel Street, Suite 1900
Baton Rouge, LA 70801

Customer No. 021184

CERTIFICATE OF SERVICE UNDER 37 CFR §1.248

I hereby certify that the above correspondence and attachments have been served upon:

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via first class mail, United States Postal Service, proper postage prepaid, on the 7th day of July, 2005.

Warner J. Delaune, Jr.

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Substitute for form 1449/PTO

THIRD PARTY SUBMISSION

List of Publications

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/813,918
Filing Date	March 31, 2004
First Named Inventor	Kalthoff, R. Michael
Art Unit	3626
Examiner Name	Tomaszewski, M.
Attorney Docket Number	6074-2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	1	Louisiana Organ Procurement Agency, "R3 (R cubed) - Referrals, Reports, and Resources - OPO Management Suite", Association of Organ Procurement Organizations, Executive Directors Meeting, October 14, 2002, Lake Buena Vista, Florida.	
	2	Louisiana Organ Procurement Agency, "The R3 Project - Referrals, Reports, and Resources", Association of Organ Procurement Organizations, Quality Improvement Meeting, October 17, 2002, San Antonio, Texas.	
	3	Louisiana Organ Procurement Agency, "Referrals, Reports, and Resources - A Database Application for OPO's", South-Eastern Organ Procurement Foundation Information Technology Seminar, March 20, 2003, Atlanta, Georgia.	
	4	Louisiana Organ Procurement Agency, "Referrals, Reports, and Resources - A Database Application for OPO's", International Transplant Nurses Society Conference, March 28, 2003, New Orleans, Louisiana.	
	5	Johnston McLamb, Inc., "R3 - Referrals, Reports, and Resources" brochure, May 2003.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

System Software

- Oracle database platform.
- Entirely web-browser based.
- Written in PLSQL, HTML, Crystal and Java Script allowing for a wide variety of software contractors to work on system.
- No downloads or installations to operate.
- Runs just like a website.

R^3 (R-cubed)

Referrals, Reports and Resources

OPO Management Suite

Overview

- Call Center.
- Referral, Recipient and Donor medical record management.
- UNOS Interface and Placement management
- Donor Registry and DMV Interface
- Management modules include system security, staff, hospital, accounting and development.
- Fully Quality Assured including audit trails.
- Customizable Crystal Reporting system.

Design

- System was initially conceived by LOPA Coordinator and QA Director.
- LOPA has expended considerable resources over the past three years in development.
- Design provides for total management of the donation process and OPO.
- R^3 is not simply a DARTS replacement.
- New modules are relatively easy to add - presently adding additional accounting, development, staff scheduling and more.

Call Center

- Provides a system for non-OPO personnel to take referral calls and initiate the donation process including gathering Medical and Social data.
- Designed to function in a streamlined fashion predominantly using keystrokes and tabs.
- Automates function of determining tissue and eye ruleouts. Provides for rapid information flow to coordinators on organ eligible referrals.
- Call Center feeds data into the main R^3 database for use with the donation and referral process.
- Also functions as message system and log.

Records Management

- Provides for complete control and management of referral, donor and recipient records.
- Maintains contact and contract information for all hospitals, transplant centers, eyebanks, etc.
- Provides complete QA trail for record.
- Records may be updated from any location with Internet access.
- Coordinators and technicians can begin and complete paperwork in the field.
- Electronic records can be reviewed by Transplant Centers.

Security and Management

- Provides a system for 'top down' management of security and access.
- ED 'panic button' locks down system.
- Levels of access are fully controlled and designed by managers.
- All security settings and look up table values are controlled and managed by the OPO ED designate.
- Oracle® is famous for rock solid security - no security holes or patches (which Microsoft® is famous for!)

Other Functions

- System provides invoicing information directly to accounting - increasing cash flow
- Letters to donor families, hospital staff, etc. are automatically generated.
- Automatic system backup both off site and internally within call center.
- Transplant centers can review donor records online at specified and password protected url.
- Double redundant backup operating systems.

Reporting

- Hosted solution provides full access to Crystal Enterprise® reporting system.
- System can provide any number of set reports and provides a system for simple development of customizable reports.
- Crystal recognized as the leading report software company in the world.

Quality Assurance

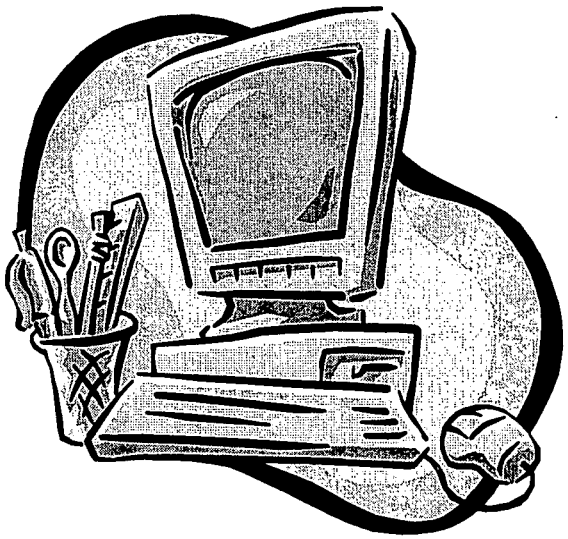
- System provides a full record of each entry to a file including time, date and user.
- Designed to comply with the requirements of both HIPAA and FDA.
- Ruleout criteria set as determined by various tissue agencies and eyebanks.
- Provides for locking of records once QA accepted.

Advantages

- Scalable system allows for easy addition of modules and growth of users and data.
- Can be customized by the OPO to meet specific needs.
- Development cost can be shared across multiple OPOs.
- Useable as a hosted (shared with separate data base) or stand alone solution.

Solutions

- Available as a hosted solution which shares the cost of the software design, Oracle® and Crystal® licensing. This still allows for customization of look and feel and look up tables while providing a completely separate database for each OPO.
- Also available as a stand alone customizable application to run on independent server systems.



The R^3 Project

Referrals, Reports and Resources

Presented by:

Kathy Pizzolato, RN, CPTC

AOPO QI Meeting, October 2002

Edit View Favorites Tools Help

Address Links

Home | Call Center | Search | Management | Tools | Help | Logoff

eferrals **R**eports and **R**esources

Mair

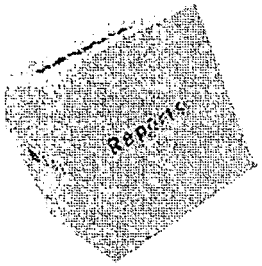
Legacy

ORGAN & TISSUE DONOR REGISTRY

System Messages for 10/14/2002

Message posted on 10/01/2002 12:01 am
Welcome to R3!!

Message posted on 10/01/2002 12:00 am
Have an idea for improving or changing how R3 works? Click here to send a message to us!



Welcome to the LOPA
Referrals,
Reports and
Resources.

Click here to link to reports.

ent User: KPIZZOLA

R.R.R. Version 0.99

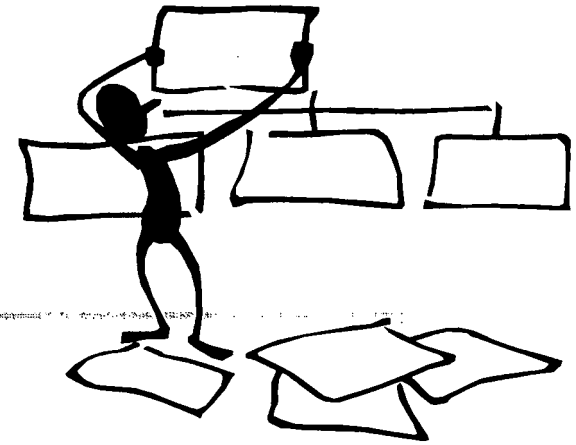
Copyright © 2002 LOPA

Date/Time: 10/14/02 17:55:57

napcube applet

Internet

Vision



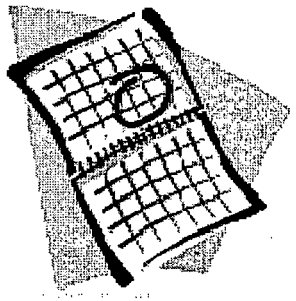
- Call Center.
- Referral, Donor and Recipient medical record management.
- UNOS Interface and Placement .
- Donor Registry and DMV Interface.
- Management modules include system security, staff, hospital, accounting and development.
- Fully Quality Assured including audit trails.
- Customizable Crystal Reporting system.

Time Involved & Issues

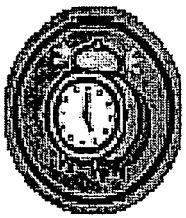
- Year One – Design (October 1999)
  - System was initially conceived by two LOPA Coordinators (now ED and QA Manager).
  - Very time consuming
  - Dealing with Software Company with no prior knowledge of business
  - Liberties taken by software company without LOPA authorization

- Year Two – Implementation (January 2001)
  - System delivered incomplete and yet functioning
  - Continued time consuming pace with poor outcome
  - Web Client based system (download required)

Time Involved & Issues



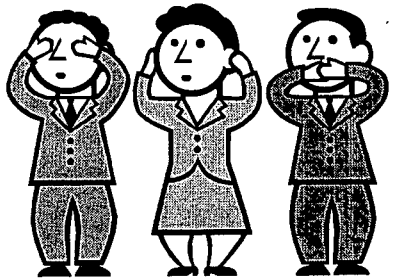
- Year Three – Starting over (January 2002)
  - New software company
  - 9 month delivery date
  - Extremely time consuming due to new project
  - LOPA has expended considerable resources over the past three years in development.
  - Delivered project October 1, 2002
    - A few conv ersion issues after delivery
    - 2 hurr icanes allowed delays



Time Involvement to come

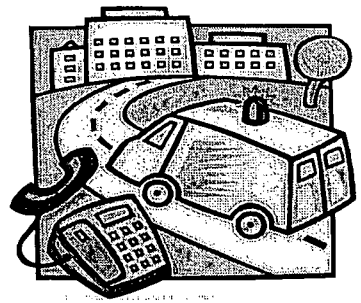
- Year Four – New Modules (January 2003)
  - New modules will be relatively easy to add
    - Accounting
    - Development
    - Staff scheduling
    - Transplant Center
    - And more.

Results - System Software



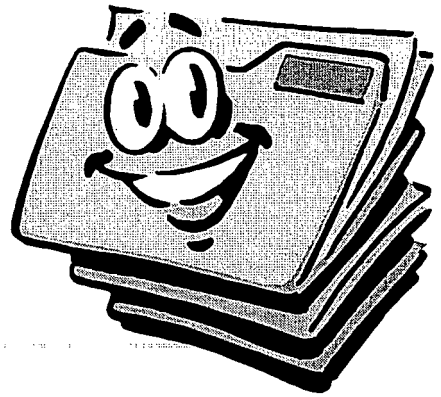
- Oracle database platform.
- Entirely web-browser based.
- Written in PLSQL, HTML, Crystal and Java Script allowing for a wide variety of software contractors to work on system.
- No downloads or installations to operate.
- Runs just like a website.

Results – Call Center Module



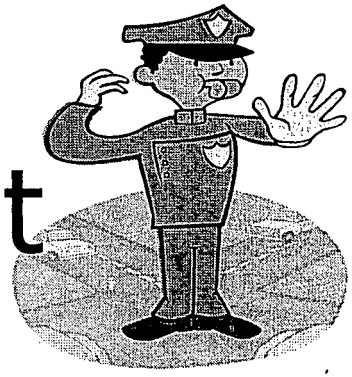
- Provides a system for non-OPO personnel to take referral calls and initiate the donation process including approaching families and gathering Medical and Social data.
- Automates function of determining tissue and eye ruleouts. Provides for rapid information flow to coordinators on organ eligible referrals.
- Call Center feeds data into the main R^3 database for use with the donation and referral process.
- Also functions as message system and log.

Results – Records Management



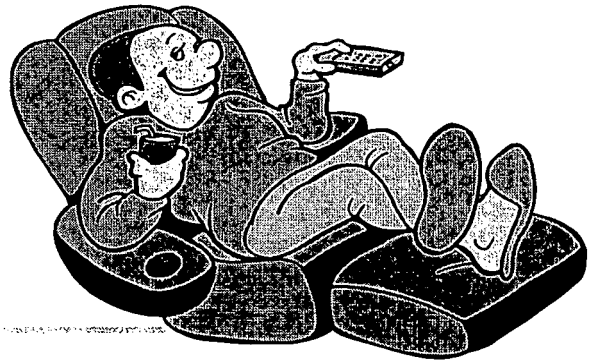
- Provides for complete control and management of referral, donor and recipient records.
- Maintains contact and contract information for all hospitals, transplant centers, eyebanks, etc.
- Provides complete QA trail for record.
- Records may be updated from any location with Internet access.
- Coordinators and technicians can begin and complete paperwork in the field.
- Electronic records can be reviewed by Transplant Centers.

Results – Security and Management



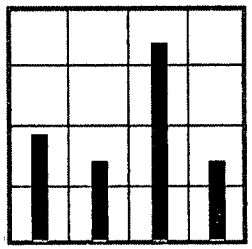
- Provides a system for 'top down' management of security and access.
- ED 'panic button' locks down system.
- Levels of access are fully controlled and designed by managers.
- All security settings and look up table values are controlled and managed by the OPO ED designate.
- Oracle® is famous for rock solid security - no security holes or patches (which Microsoft® is famous for!)

Results – Additional Features



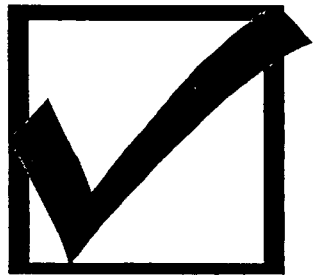
- Letters to donor families, hospital staff, etc. are automatically generated.
- Transplant centers can review donor records online at specified and password protected URL.
- System provides invoicing information directly to accounting - increasing cash flow
- Automatic system backup both off site and internally within call center.

Results - Reporting



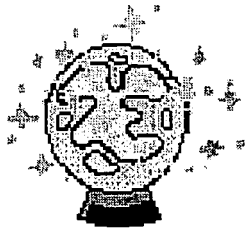
- Full access to Crystal Enterprise® reporting system.
- System can provide any number of set reports and provides a system for simple development of customizable reports (RAS or Smart reporting).
- Trained Crystal report writer (me!) always available.

Results – Quality Assurance



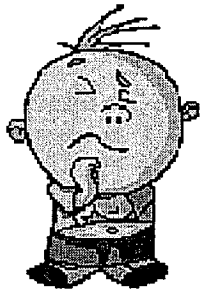
- System provides a full record of each entry to a file including time, date and user.
- Designed to comply with the requirements of both HIPAA and FDA.
- Ruleout criteria set as determined by various tissue agencies and eyebanks.
- Provides for locking of records once QA accepted.

Future Expectations



- Smooth operating system that will house all needed data for agency
- Improved statistical analysis
  - Crystal Enterprise (RAS – Smart Reporting)
  - SPSS
- QA tool – "no blanks" allowed
- Improved recipient follow up information from Transplant Centers.

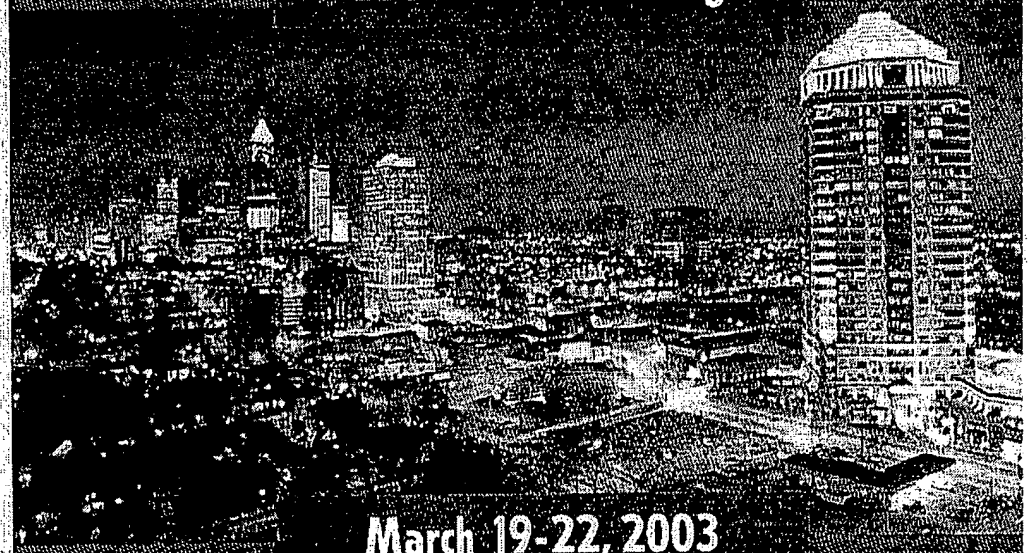
Questions?



South-Eastern Organ Procurement Foundation

presents its

Bi-Annual Meeting



March 19-22, 2003

ATLANTA, GA

HIGHLIGHTS

- InCytes About Hepatic & Pancreatic Cell Transplantation
- OPO Information Technology Seminar
- Medical, Surgical & Financial Complications Surrounding Organ Transplantation
- ASHI/SEOPF Southeastern Regional Workshop

The Scientific Session on Complications is jointly sponsored by Wake Forest University School of Medicine and SEOPF

Thursday, March 20, 2003

Information Technology Seminar: How OPOs Are Meeting the Need

(Salon IV) 8:30 am - 4:30 pm

Moderator: Dan Stockdreher, MPH, CPTC

8:30 - 9:00 am	Continental Breakfast
9:00 - 9:10 am	Opening Remarks *Dem Lalisan, MBA, CPTC, Alabama Organ Center*
9:10 - 9:40 am	Internet In Your Hands: The Future of Communications *Rudy Siegel, LDT Systems*
9:40 - 11:30 am	Processing Referral Calls: Call Center Technologies *Deidre Ellis, General Manager, Statline* *Kim Zasa, Gift of Life, Michigan* *Kathy Pizzolato, RN, CPTC, Louisiana Organ Recovery Agency*
11:30 - 1:00 pm	Open Luncheon Committee Meetings •OPO / Tissue & Cell Technology (Jackson) •Scientific Affairs / Liver / Pancreas (Nashville)
1:00 - 2:15 pm	Database Applications for Public & Professional Education, Family Services, Quality Assurance/Compliance Applications, Billing and Reporting Tracker: *Craig Myrick, RN, CPTC, Intermountain Organ Rec. Sys.* DARTS: *Jason Soley, Gift of Life, Philadelphia* R Cubed: *Kathy Pizzolato, RN, CPTC, LOPA*
2:15 - 2:45 pm	Use of PDAs in the Field: Replacing the Coordinator's Bible *Joseph Sharp, CPTC, LifeGift*
2:45 - 3:00 pm	Break
3:00 - 4:30 pm	Organ Sharing Using the Internet: Organ Transplant Response System: Start Up Experience and Beta Test Results *Tom Mone, One Legacy* *Lori Paskiewicz, Gift of Life, Michigan* *David Lewis, RN, BSN, Ohio Valley Life Center*
4:30 pm	Adjournment

R
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Referrals, Reports and Resources:

A Database Application for OPOs

Presented by:
Kathy Pizzolato, RN, CPTC
SEOPF Information Technology Seminar
March 20, 2003

LOPA

Overview

- Call Center.
- Referral, Recipient and Donor medical record management.
- UNOS Interface and Placement management.
- Donor Registry and DMV Interface.
- Management modules include system security, human resources, hospital database, and lookup tables.
- Quality Assurance including audit trails.
- Customizable Crystal Reporting system.

System Software

- Oracle database platform.
- Entirely web-browser based.
- Written in PLSQL, HTML, Crystal and Java Script allowing for a wide variety of software contractors to work on system.
- No downloads or installations to operate.
- Runs just like a website.

Design

- System was conceived by a coordinator and Director of Recovery.
- LOPA has expended considerable resources over the past three years in development.
- Design provides for total management of the donation process and the OPO.
- New modules are relatively easy to add - presently designing staff scheduling, UNET, hospital development and quality assurance.

Call Center

- Provides a system for non-OPO personnel to take referral calls and initiate the donation process.
- Automates function of determining tissue and eye rule outs. Provides for rapid information flow to coordinators on organ eligible referrals.
- Call Center feeds data into the main R^3 database for use with the donation and referral process.
- Designed to function in a streamlined fashion predominantly using keystrokes and tabs.
- Also functions as message system and log.

Data Management

- Provides for complete control and management of referral, donor and recipient records.
- Coordinators and technicians can begin and complete paperwork in the field.
- Data may be updated from any location with Internet access.
- Electronic records can be reviewed by Transplant Centers.
- Maintains contact and contract information for all hospitals, transplant centers, eye banks, etc.
- Provides complete QA trail for each record.

Security and Management

- Provides a system for 'top down' management of security and access.
- Levels of access are fully controlled and designed by system administrator.
- All security settings and look up table values are controlled and managed by the system administrator.
- ED 'panic button' locks down system.
- Oracle® is famous for rock solid security - no security holes or patches.

Other Features

- Letters to donor families, hospital staff, etc. are automatically generated.
- Ability to add attachments to records.
- Correspondence Log for Family Services communication.

Reporting

- Use either Crystal Enterprise® reporting system or basic Crystal Reports.
- Basic reports come with the package.
- System can provide any number of set reports and provides a system for simple development of customizable reports.
- Crystal is recognized as the leading report software company in the world.

Quality Assurance

- System provides a full record of each entry to a file including time, date and user.
- Designed to comply with the requirements of both HIPAA and FDA (part 11).
- Rule out criteria is managed by system administrator to accommodate specific tissue agencies and eye banks.
- Provides for locking of records once QA accepted.

Advantages

- Scalable system allows for easy addition of modules and growth of users and data.
- Can be customized by the OPO to meet specific needs.

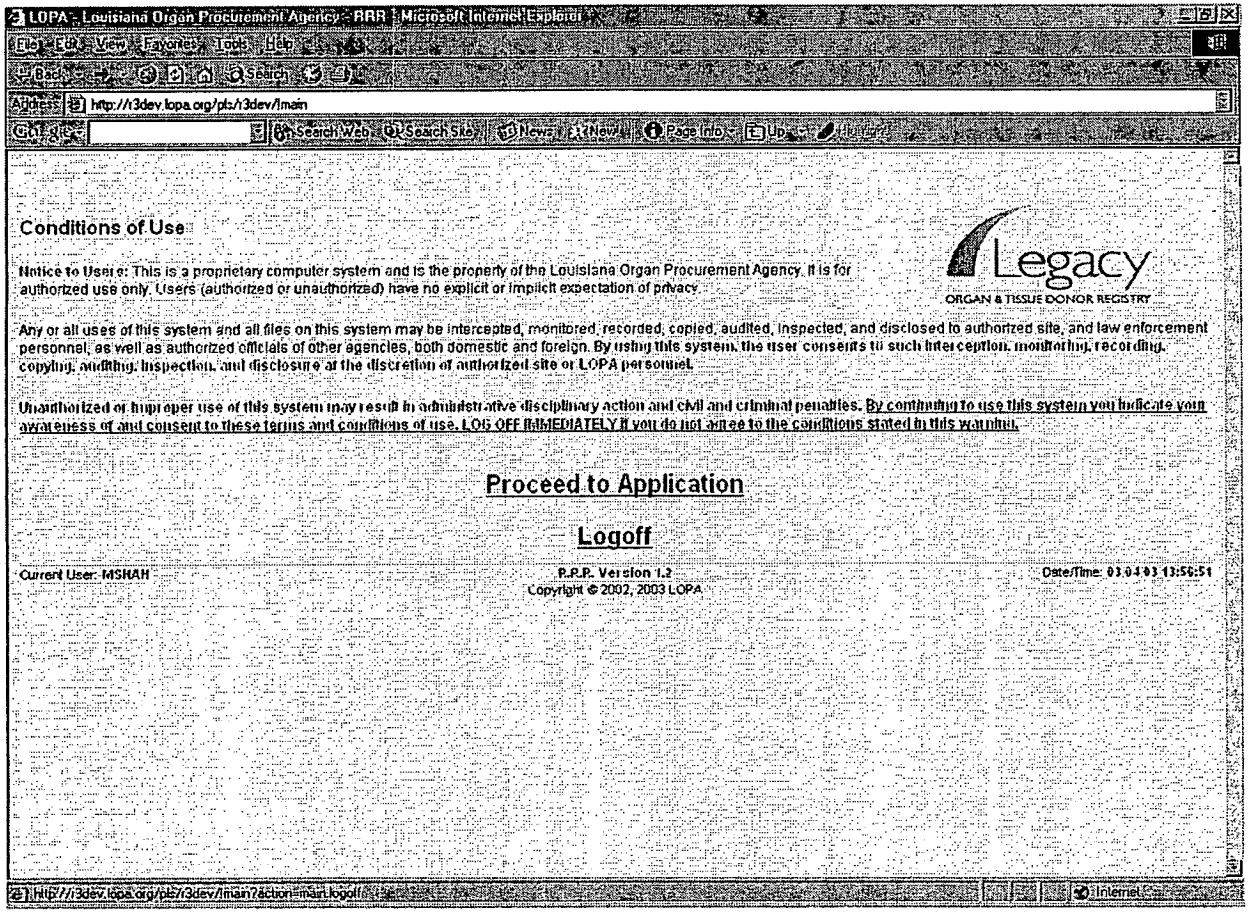
Options

- Available as a stand alone customizable application to run on independent server systems.
- Potentially a hosted solution (shared cost of software design, Oracle® and Crystal® licensing). This still allows for customization of look and feel and look up tables while providing a completely separate database for each OPO.

Secure Communications

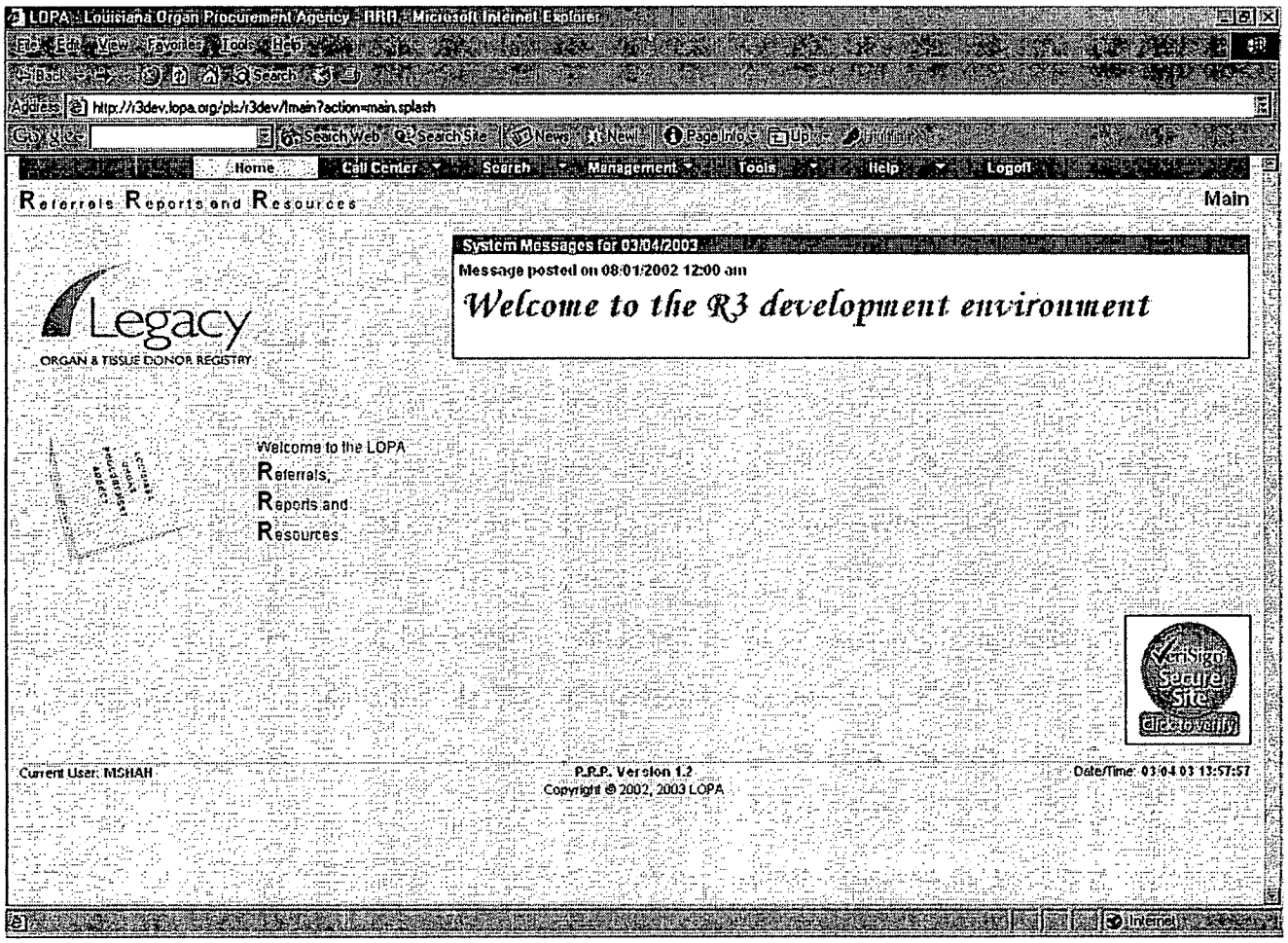
LOPA

Initial Logon Screen



LOPA

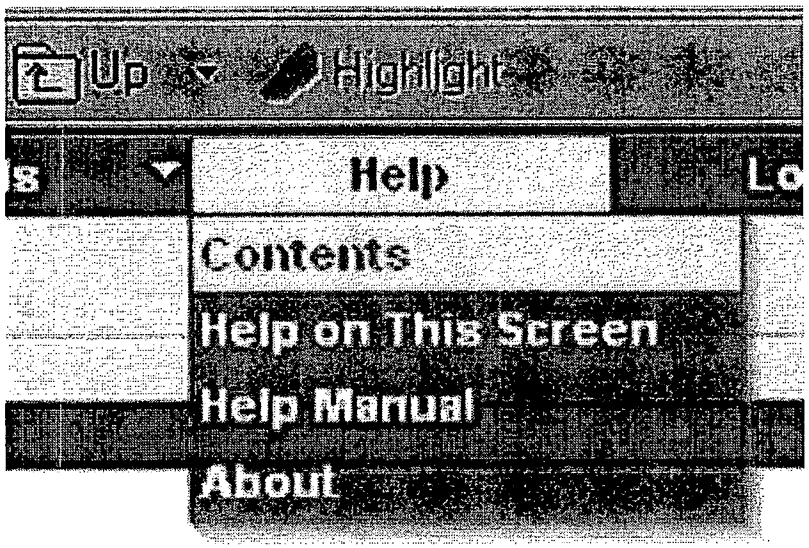
Main Menu


LOPA - Louisiana Organ Procurement Agency - RRR - Microsoft Internet Explorer
http://3dev.lopa.org/pls/r3dev/!main?action=main.splash
Home
Call Center
Search
Management
Tools
Help
Logoff
Referrals Reports and Resources
Main
System Messages for 03/04/2003
Message posted on 08/01/2002 12:00 am
Welcome to the R3 development environment
Legacy
ORGAN & TISSUE DONOR REGISTRY
Welcome to the LOPA
Referrals,
Reports and
Resources
VeriSign Secure Site
Current User: MSHAH
P.R.P. Version 1.2
Copyright © 2002, 2003 LOPA
Date/Time: 03/04/03 13:57:57

Tools Menu

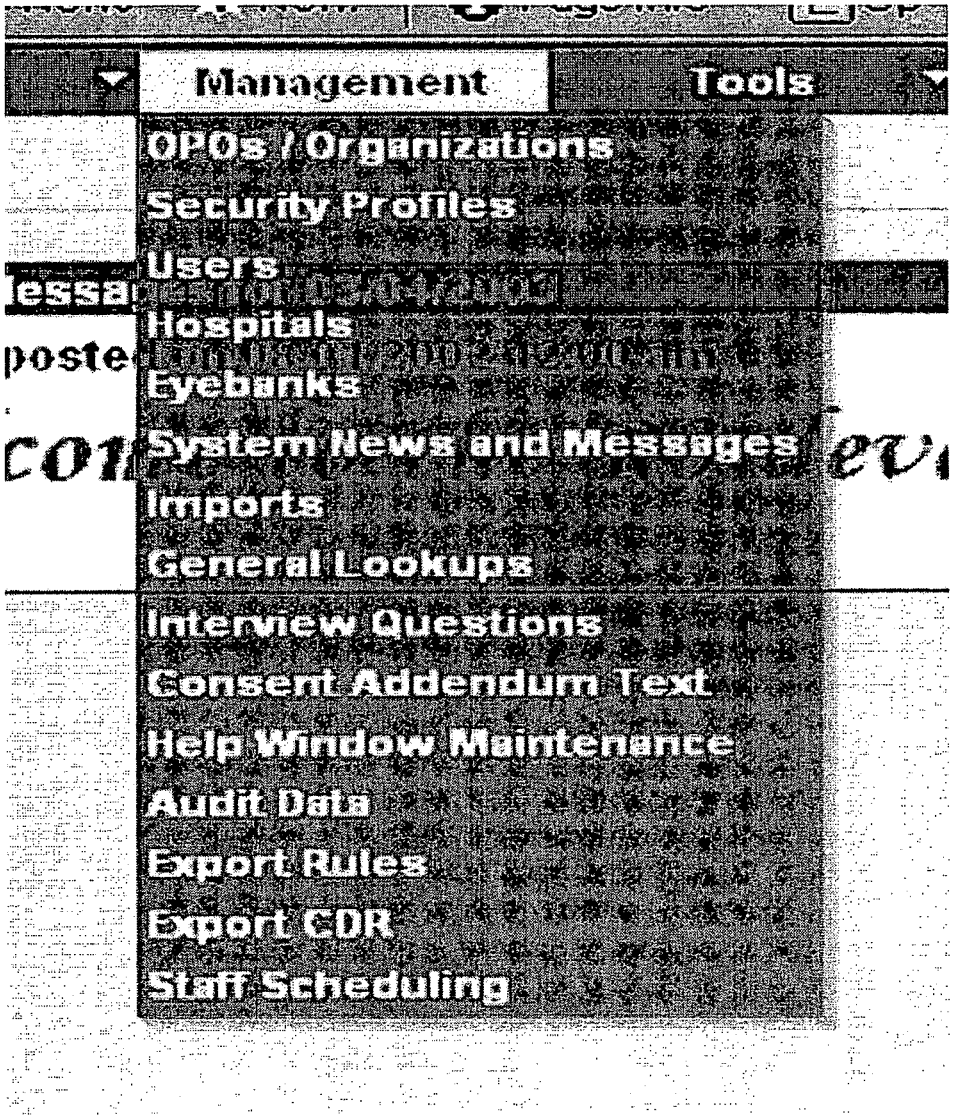
LOPA

Help Menu



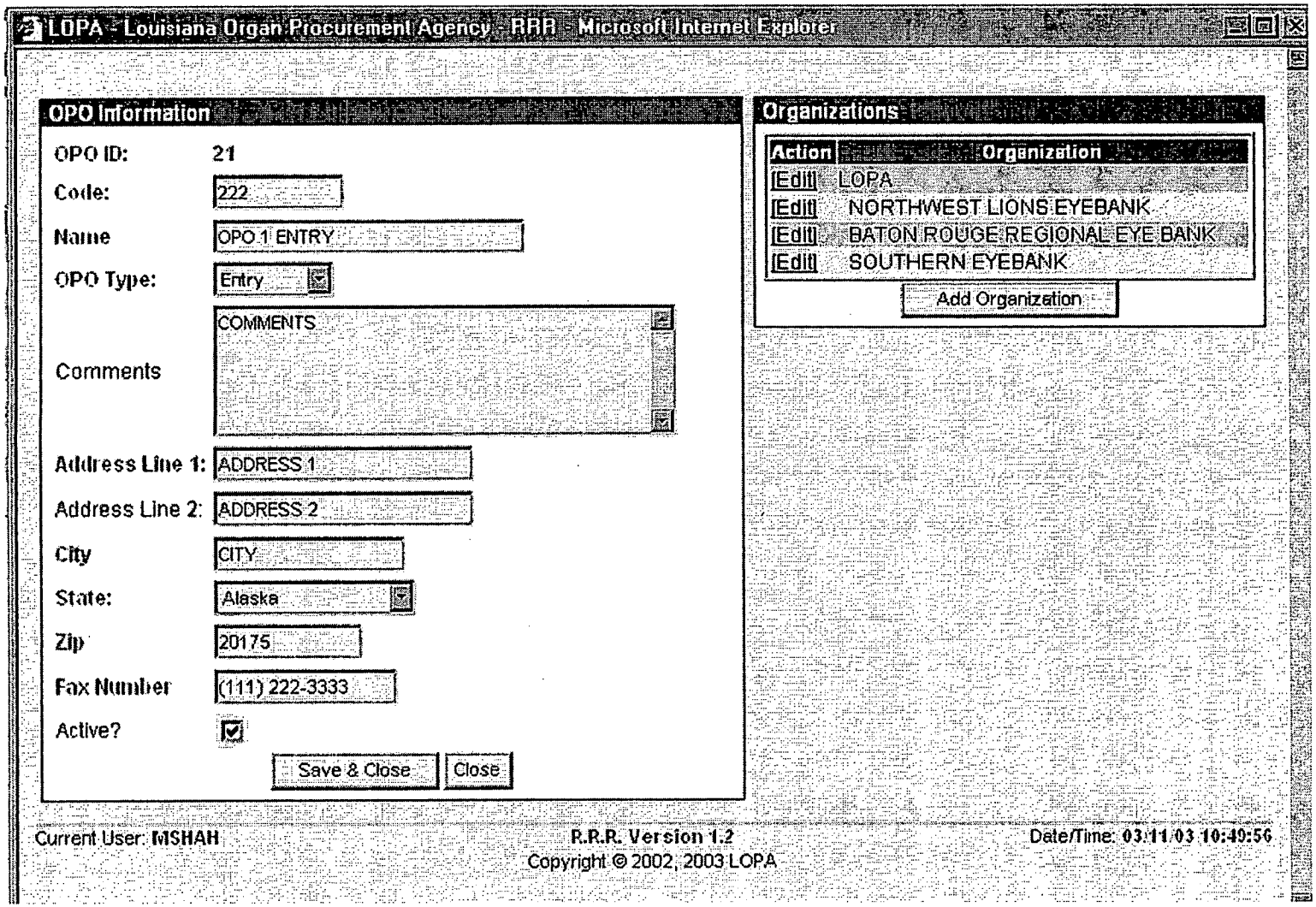
LOPA

Management Menu



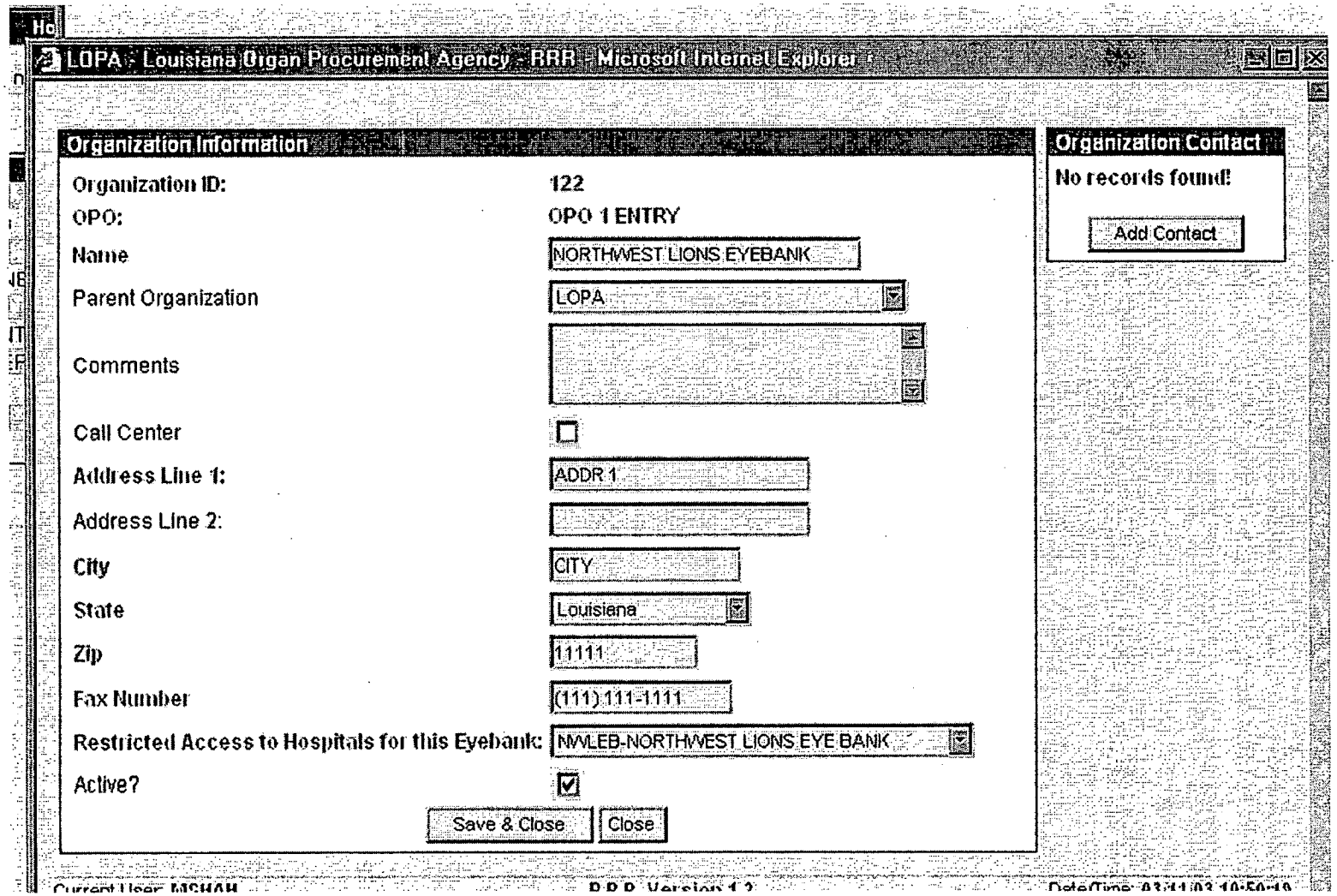
LOPA

Management: OPO



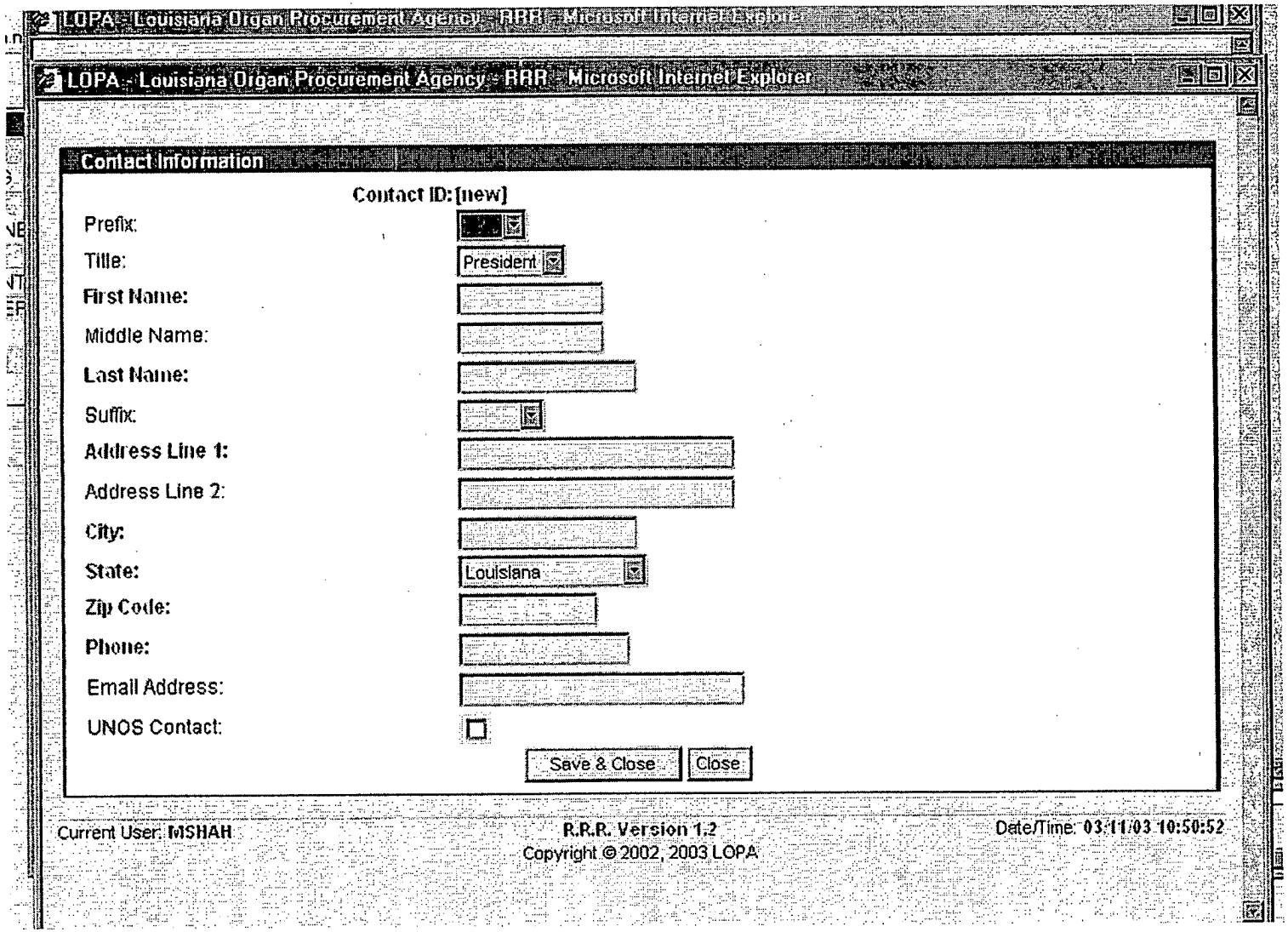
LOPA

Management: Organization



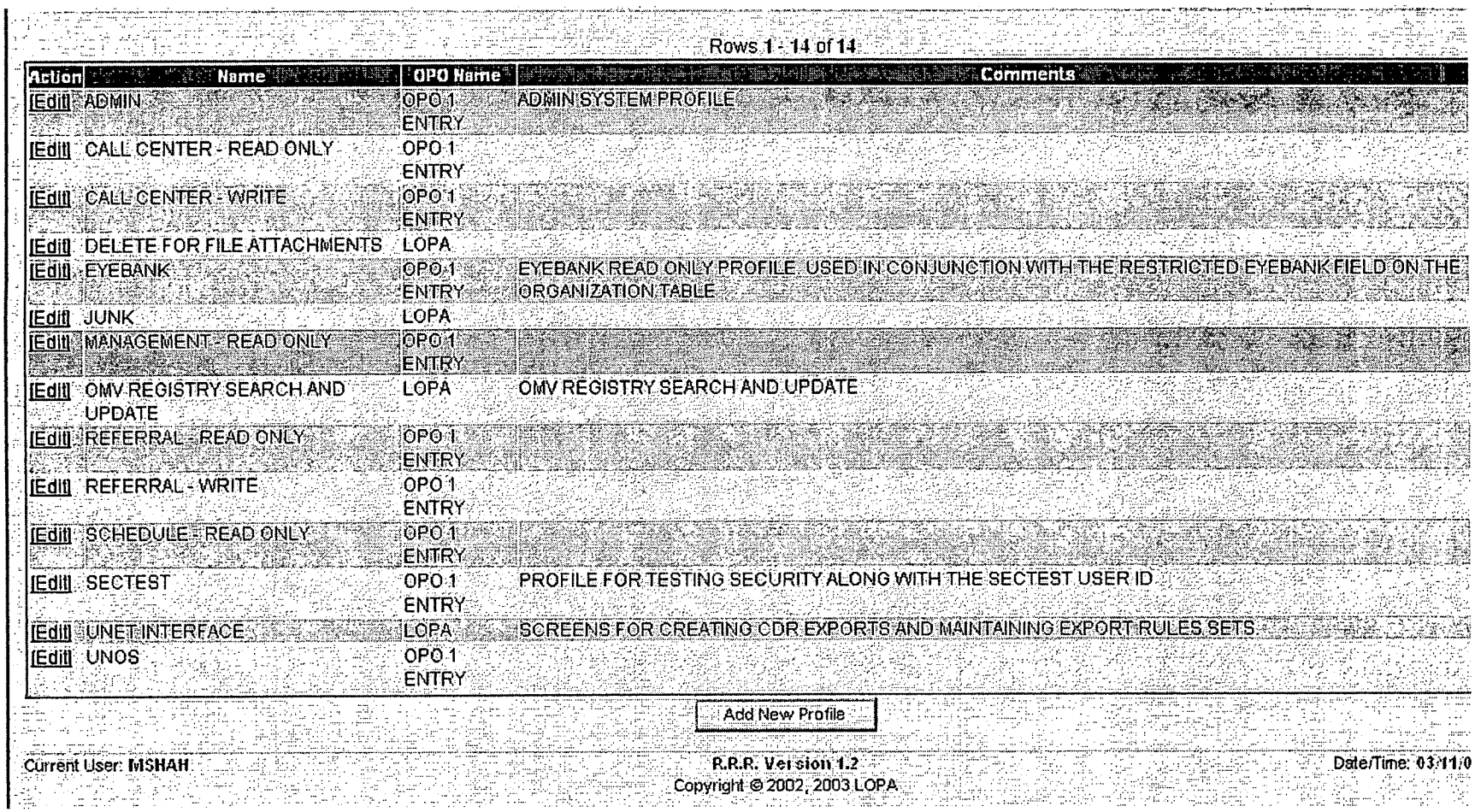
LOPA

Management: Organization Contact



LOPA

Management: Security Profiles



Rows 1 - 14 of 14

Action	Name	OPO Name	Comments
[Edit]	ADMIN	OPO 1 ENTRY	ADMIN SYSTEM PROFILE
[Edit]	CALL CENTER - READ ONLY	OPO 1 ENTRY	
[Edit]	CALL CENTER - WRITE	OPO 1 ENTRY	
[Edit]	DELETE FOR FILE ATTACHMENTS	LOPA	
[Edit]	EYEBANK	OPO 1 ENTRY	EYEBANK READ ONLY PROFILE. USED IN CONJUNCTION WITH THE RESTRICTED EYEBANK FIELD ON THE ORGANIZATION TABLE
[Edit]	JUNK	LOPA	
[Edit]	MANAGEMENT - READ ONLY	OPO 1 ENTRY	
[Edit]	OMV REGISTRY SEARCH AND UPDATE	LOPA	OMV REGISTRY SEARCH AND UPDATE
[Edit]	REFERRAL - READ ONLY	OPO 1 ENTRY	
[Edit]	REFERRAL - WRITE	OPO 1 ENTRY	
[Edit]	SCHEDULE - READ ONLY	OPO 1 ENTRY	
[Edit]	SECTEST	OPO 1 ENTRY	PROFILE FOR TESTING SECURITY ALONG WITH THE SECTEST USER ID
[Edit]	UNET INTERFACE	LOPA	SCREENS FOR CREATING CDR EXPORTS AND MAINTAINING EXPORT RULES SETS
[Edit]	UNOS	OPO 1 ENTRY	

Add New Profile

Current User: MSHAH

R.R.R. Version 1.2

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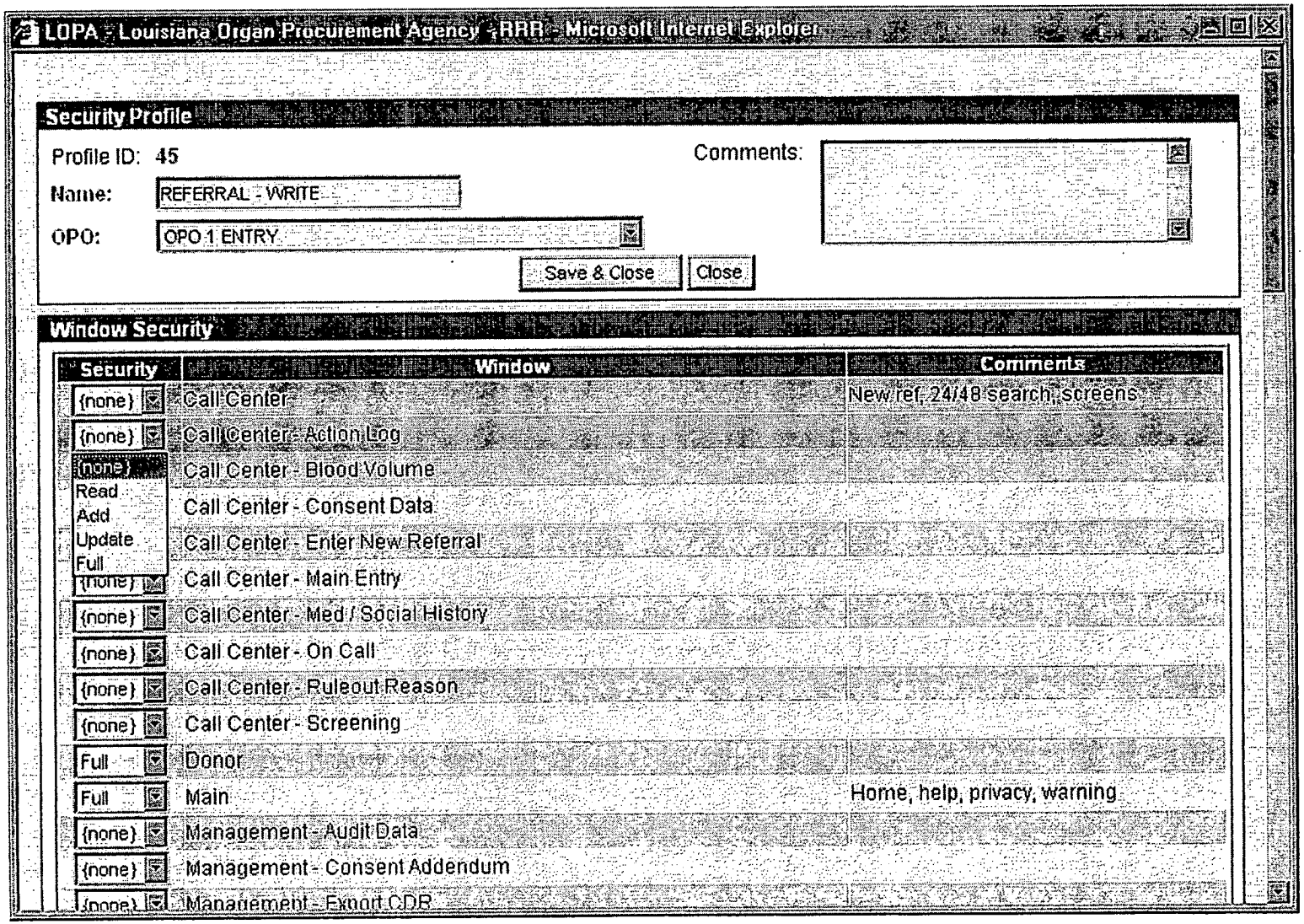
Date/Time: 03/11/0

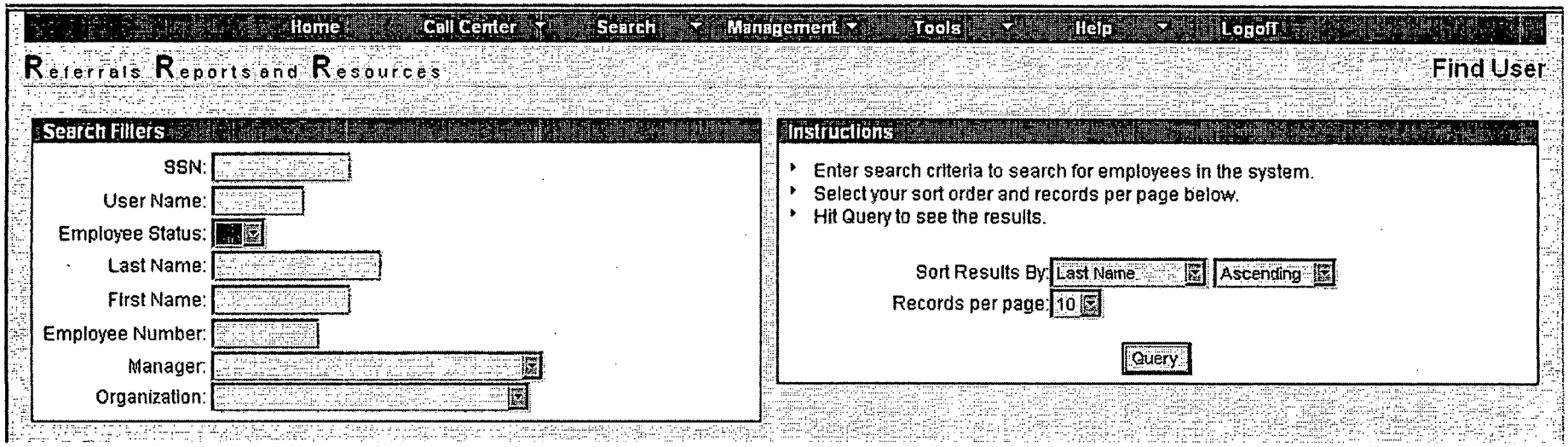
LOPA

Management: Security Profiles – Edit Profile



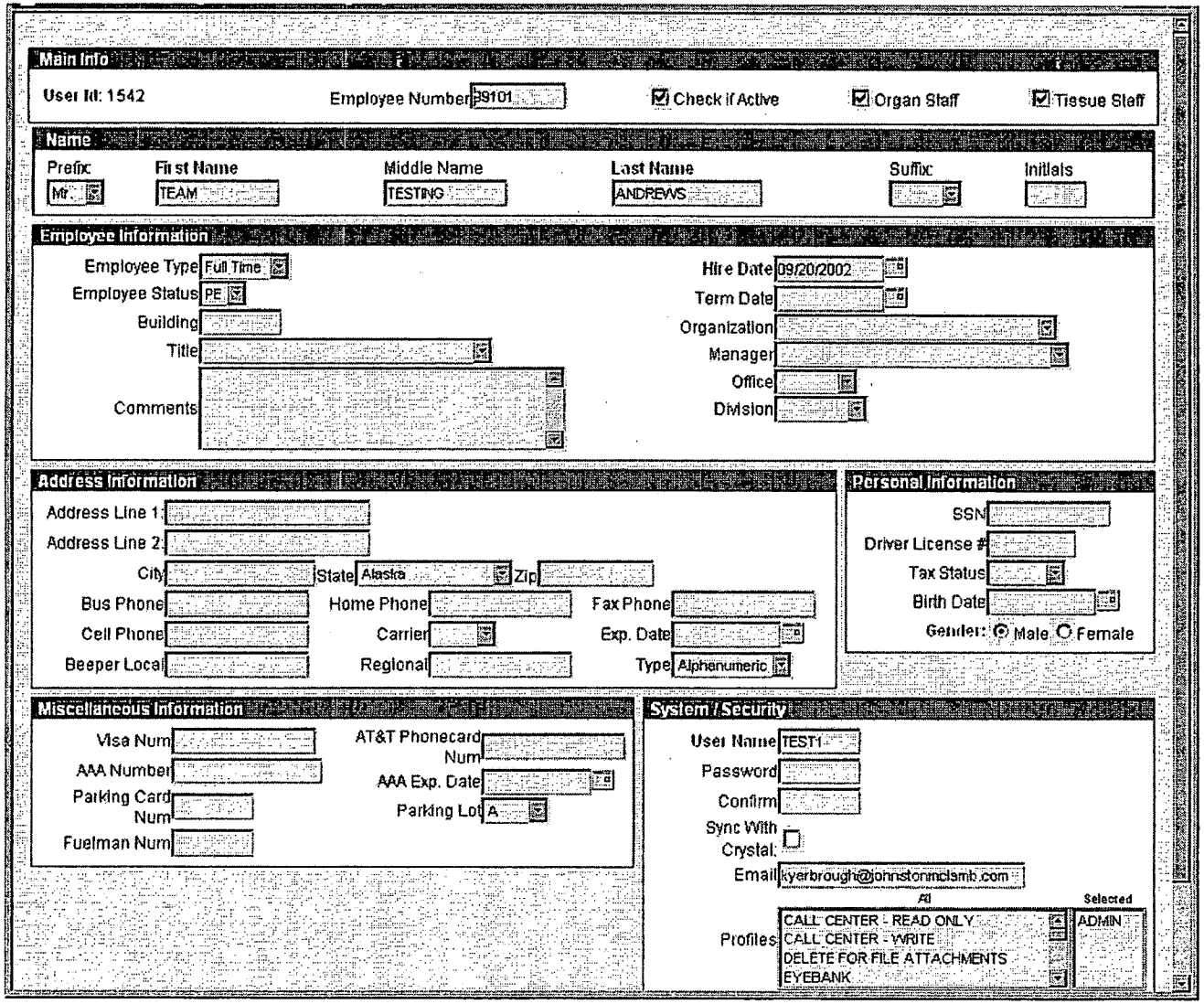
LOPA

Management: Users



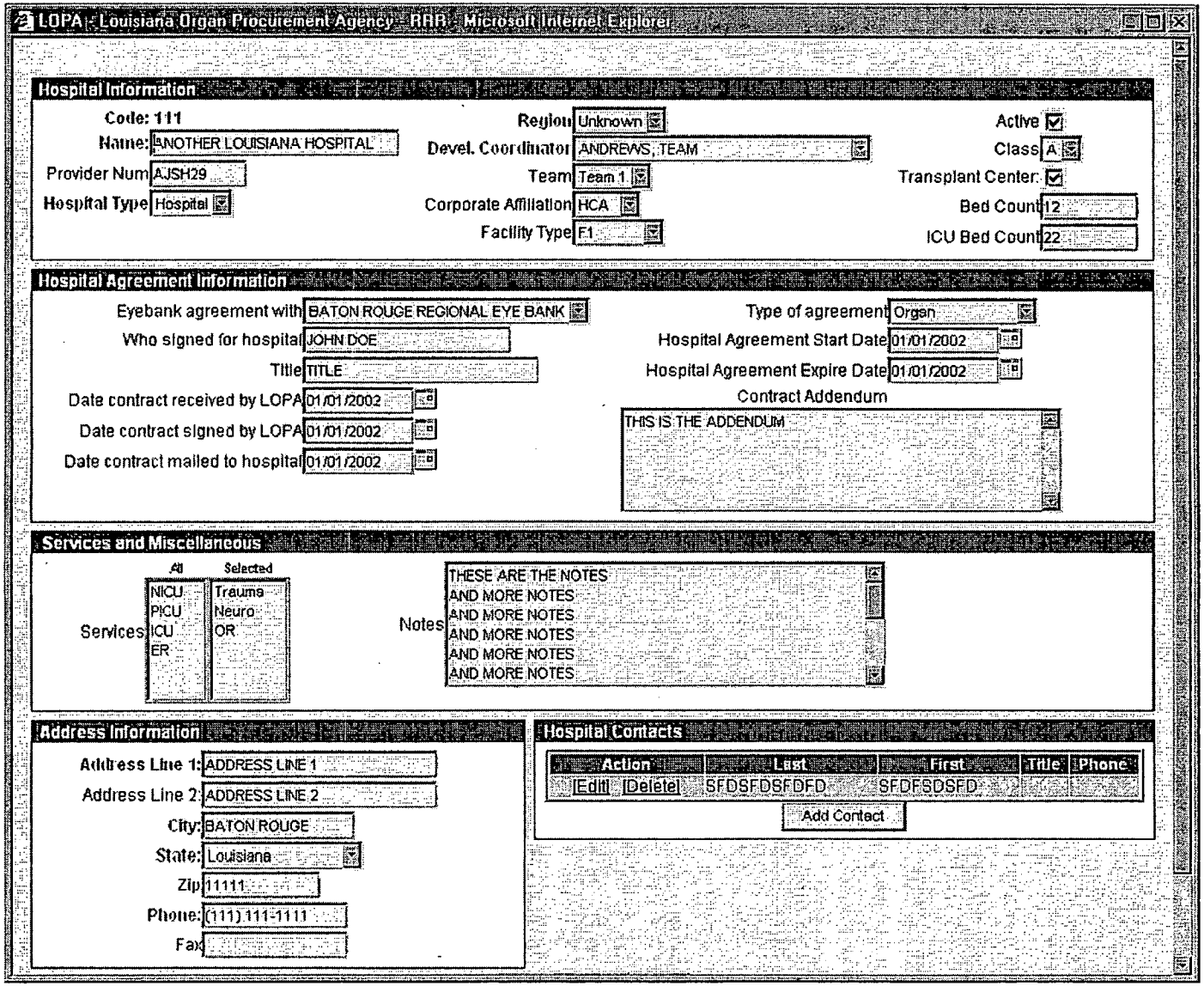
LOPA

Management: Users – Add/Edit



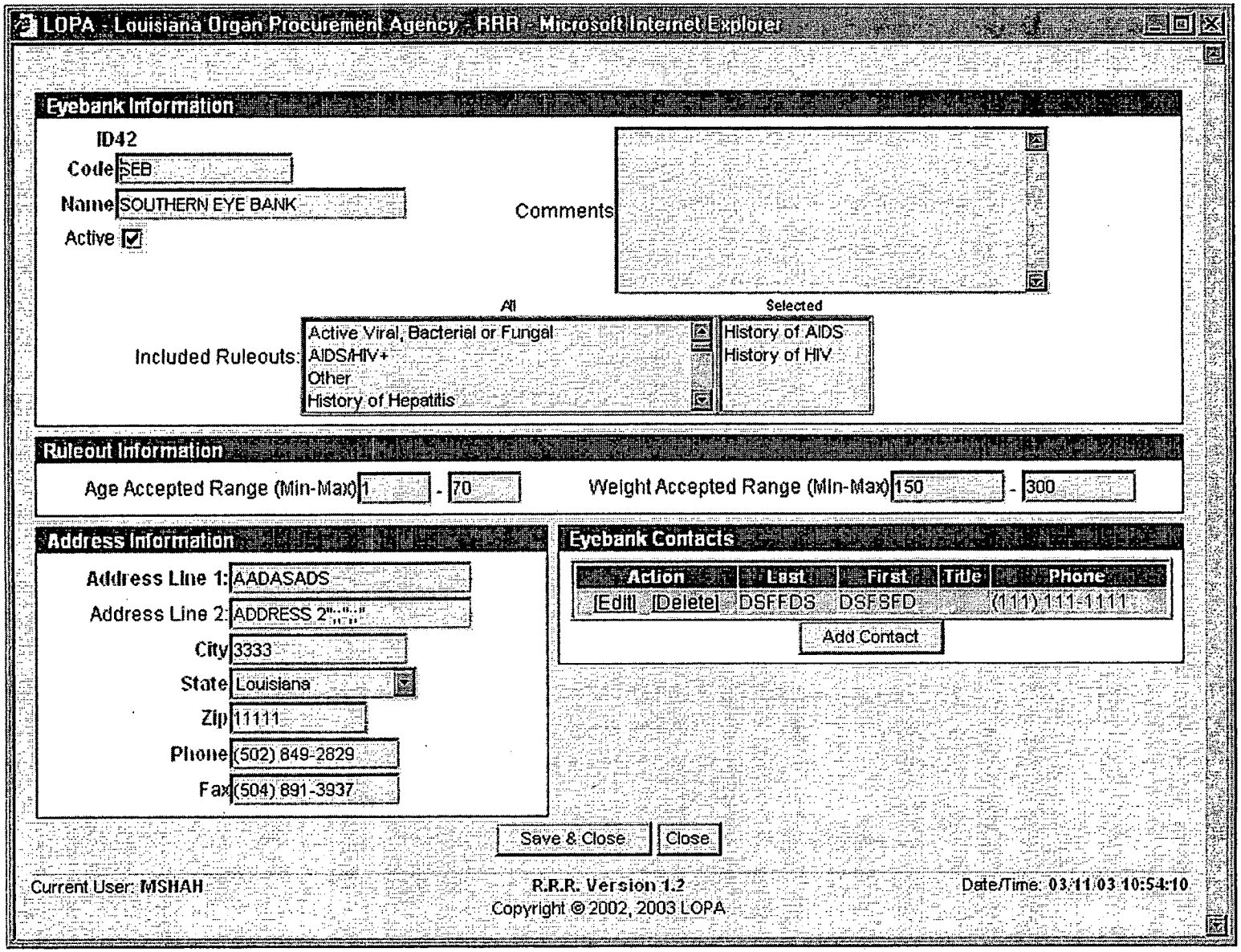
LOPA

Management: Edit Hospital



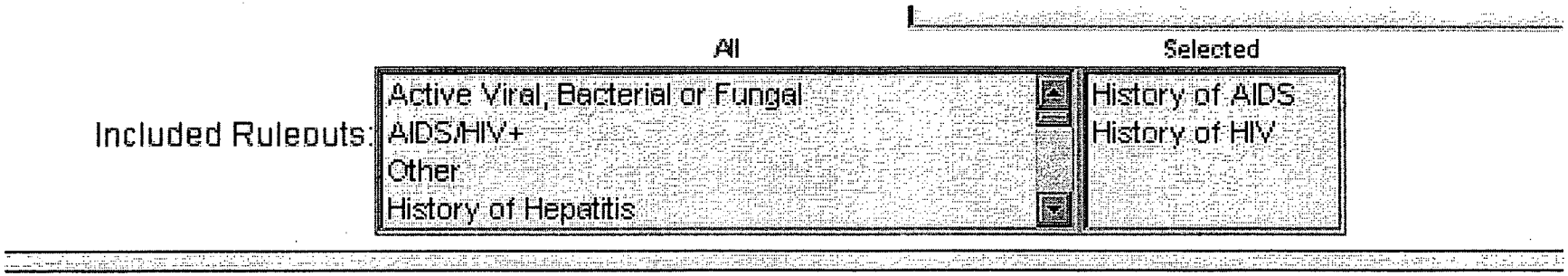
LOPA

Management: Edit Eyebank



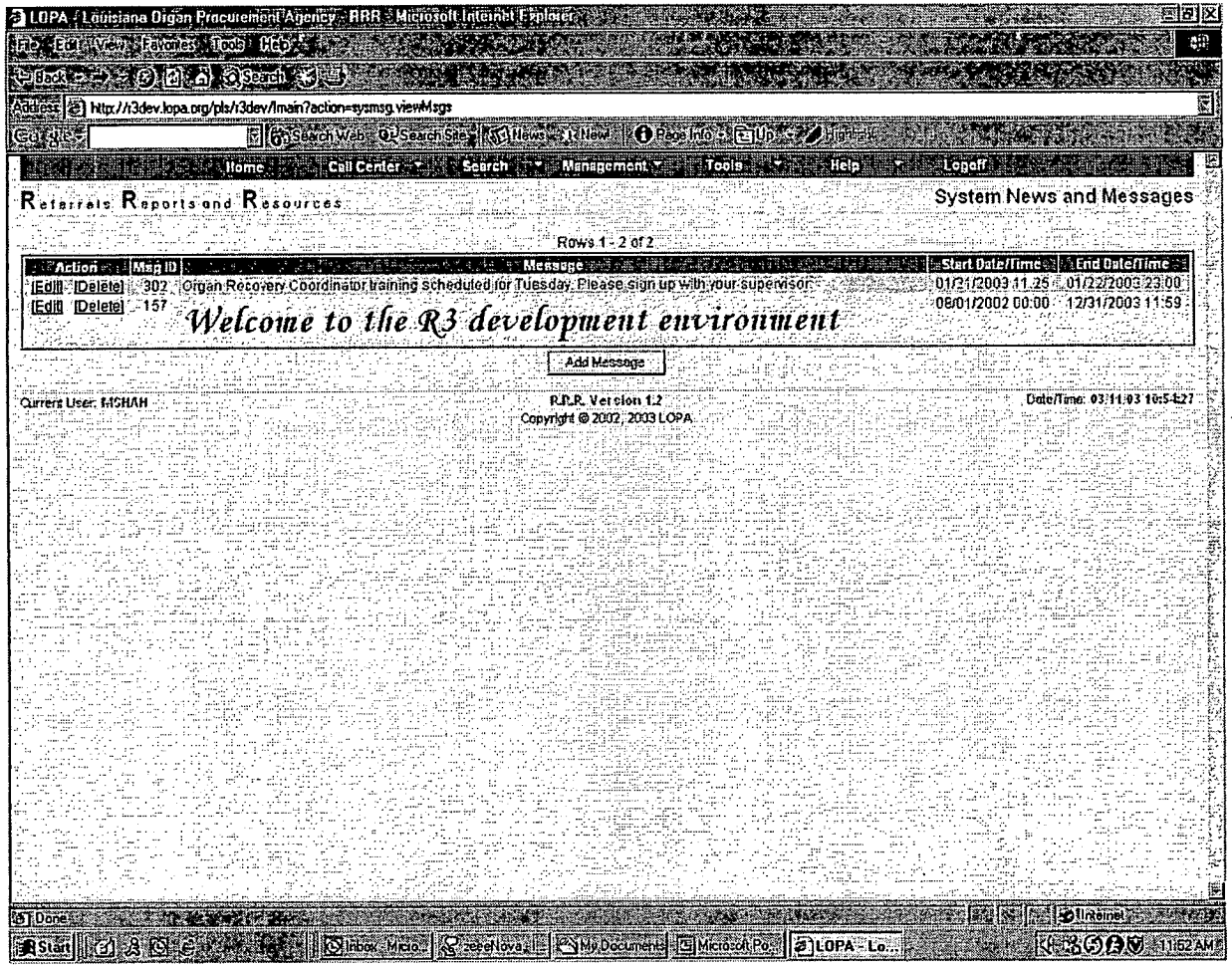
LOPA

Management: Eyebank – Eyebank Ruleouts

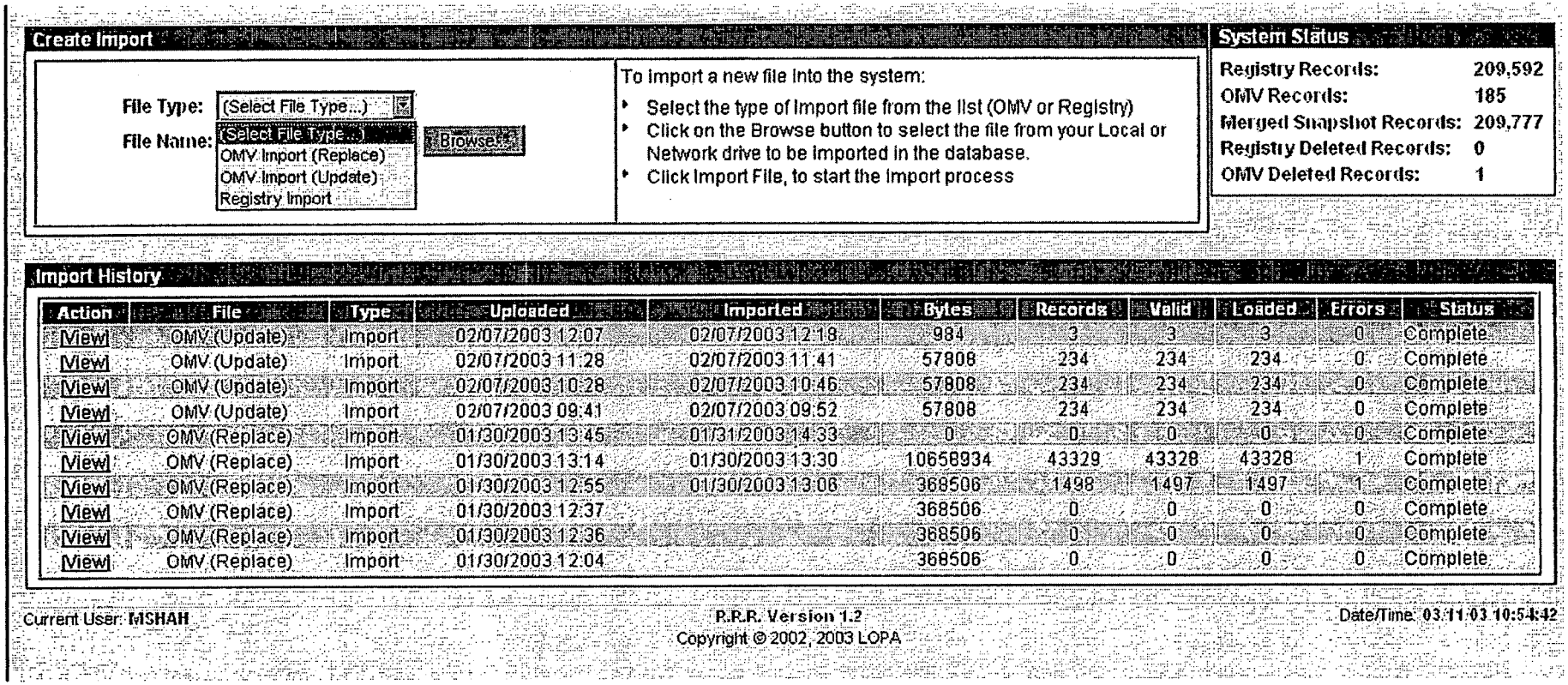


LOPA

Management: Messaging



Management: Import Registry



Create Import

File Type: (Select File Type...)
File Name: Browse...
(Select File Type...)
OMV Import (Replace)
OMV Import (Update)
Registry Import

To import a new file into the system:

- Select the type of Import file from the list (OMV or Registry)
- Click on the Browse button to select the file from your Local or Network drive to be imported in the database.
- Click Import File, to start the import process

System Status

Registry Records:	209,592
OMV Records:	185
Merged Snapshot Records:	209,777
Registry Deleted Records:	0
OMV Deleted Records:	1

Import History

Action	File	Type	Uploaded	Imported	Bytes	Records	Valid	Loaded	Errors	Status
View	OMV (Update)	Import	02/07/2003 12:07	02/07/2003 12:18	984	3	3	3	0	Complete
View	OMV (Update)	Import	02/07/2003 11:28	02/07/2003 11:41	57808	234	234	234	0	Complete
View	OMV (Update)	Import	02/07/2003 10:28	02/07/2003 10:46	57808	234	234	234	0	Complete
View	OMV (Update)	Import	02/07/2003 09:41	02/07/2003 09:52	57808	234	234	234	0	Complete
View	OMV (Replace)	Import	01/30/2003 13:45	01/31/2003 14:33	0	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 13:14	01/30/2003 13:30	10656934	43329	43328	43328	1	Complete
View	OMV (Replace)	Import	01/30/2003 12:55	01/30/2003 13:06	368506	1498	1497	1497	1	Complete
View	OMV (Replace)	Import	01/30/2003 12:37		368506	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 12:36		368506	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 12:04		368506	0	0	0	0	Complete

Current User: MSHAH

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Date/Time: 03/11/03 10:54:42

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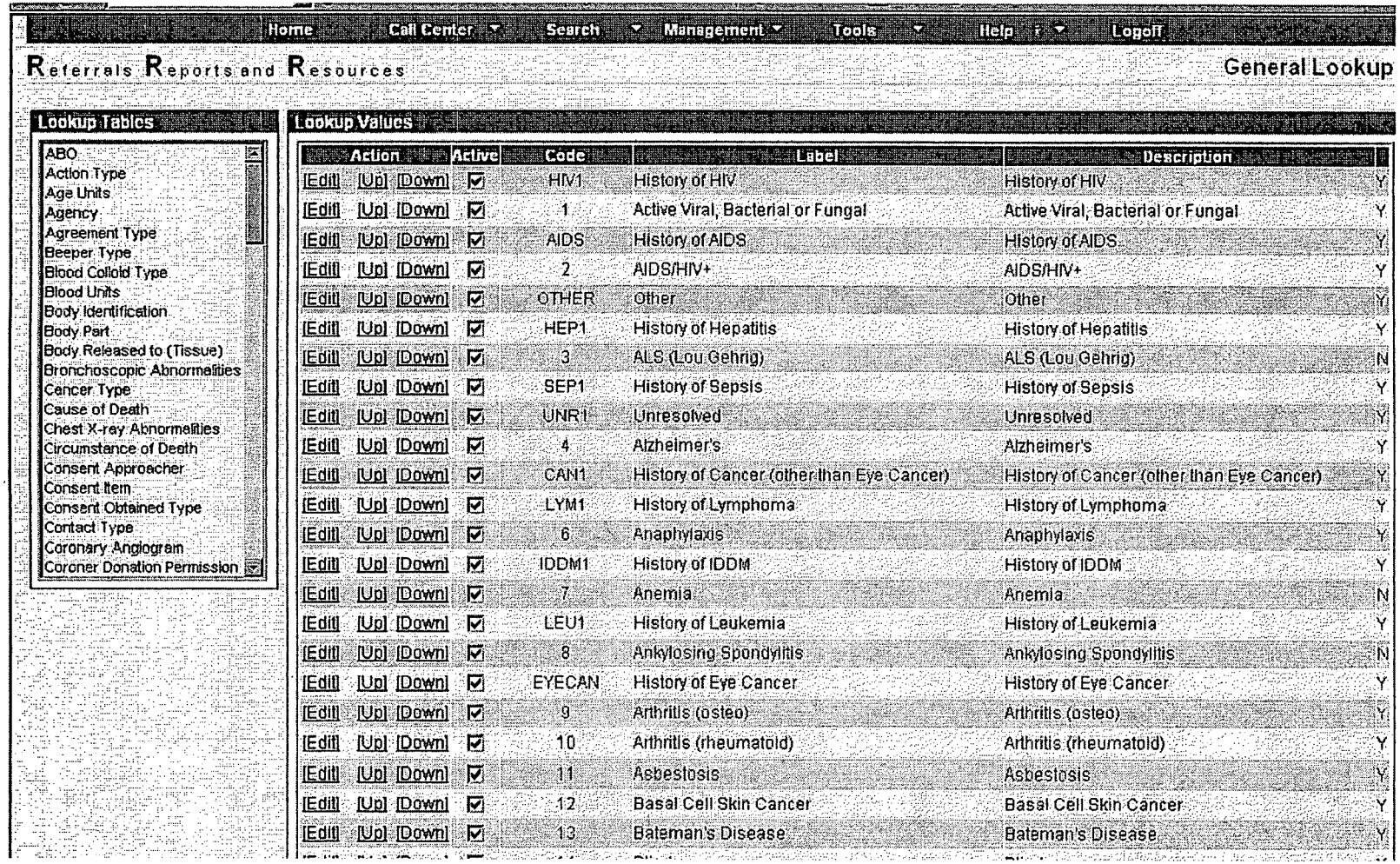
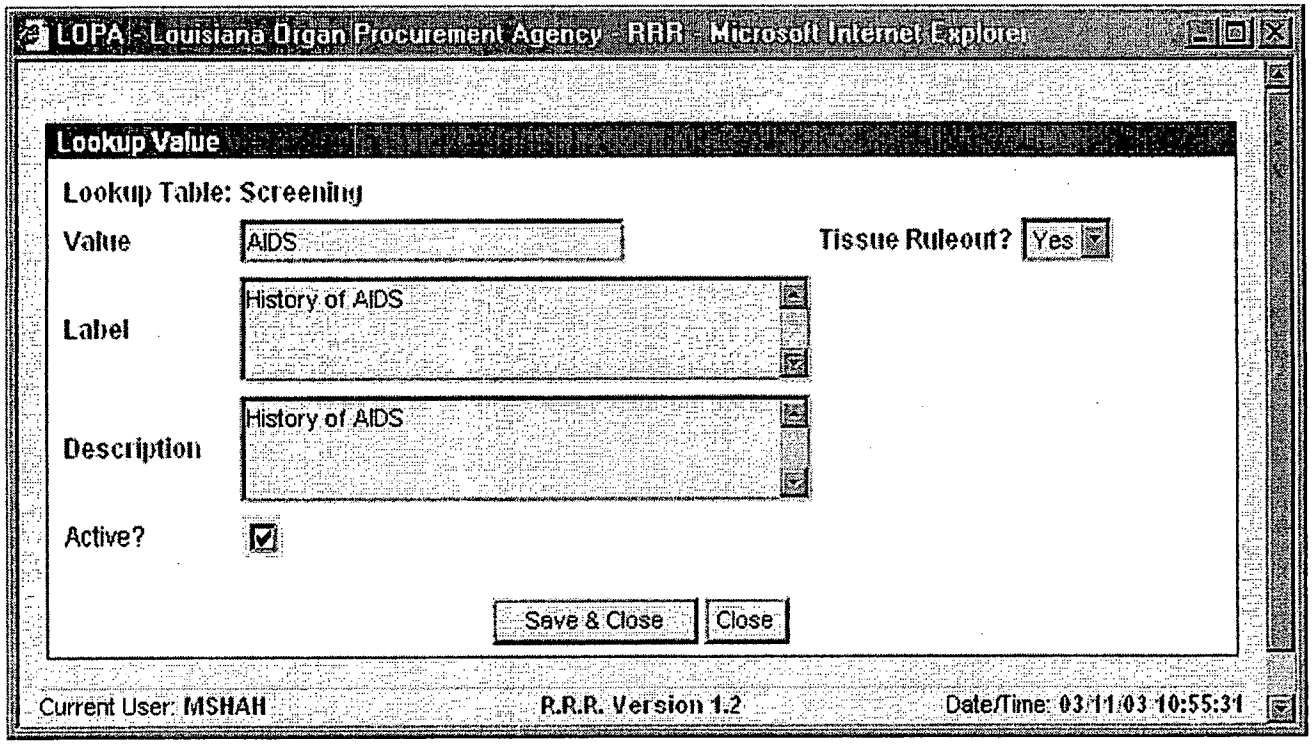
Management: Lookups

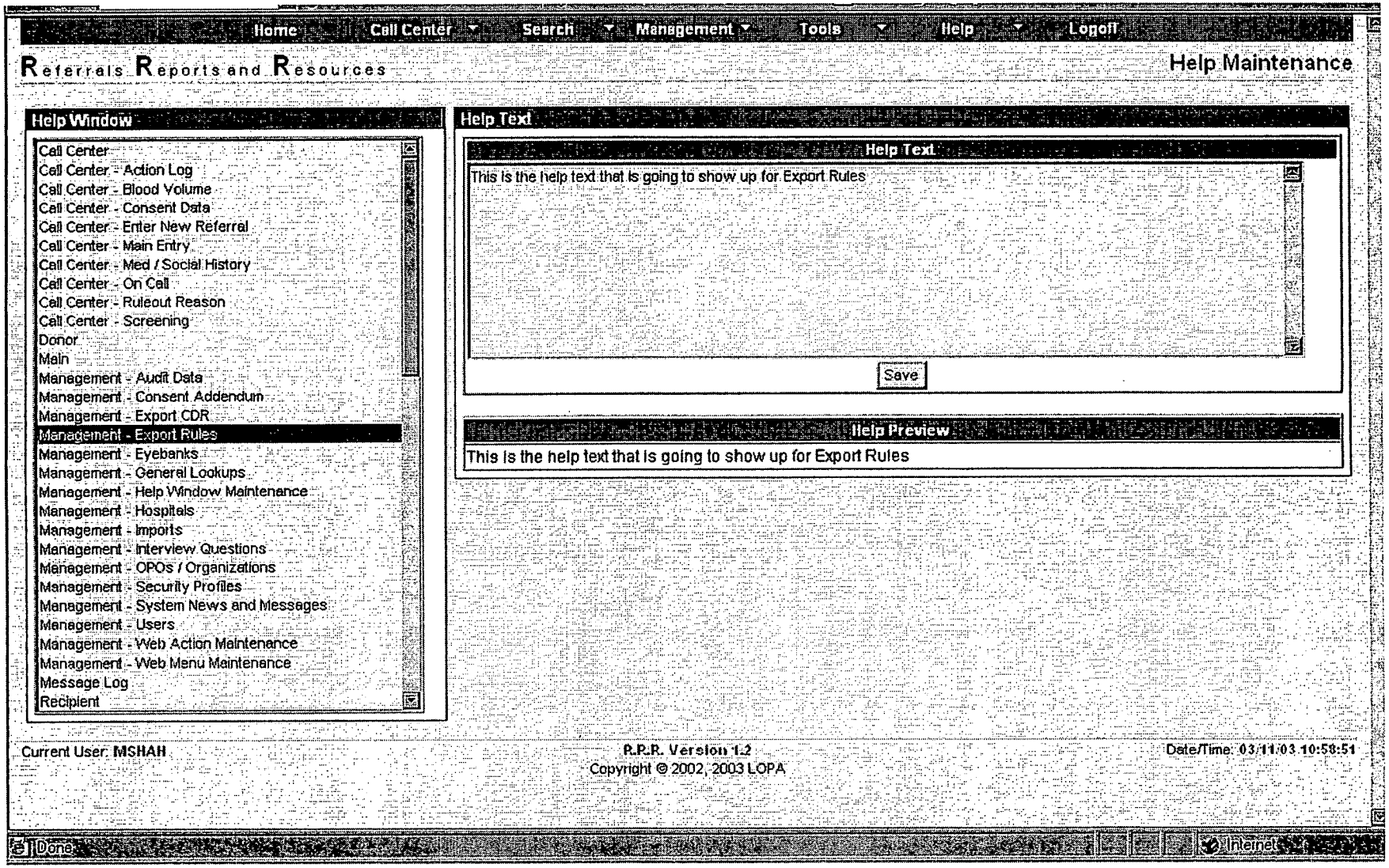


LOPA

Management: Lookup Example: Screening

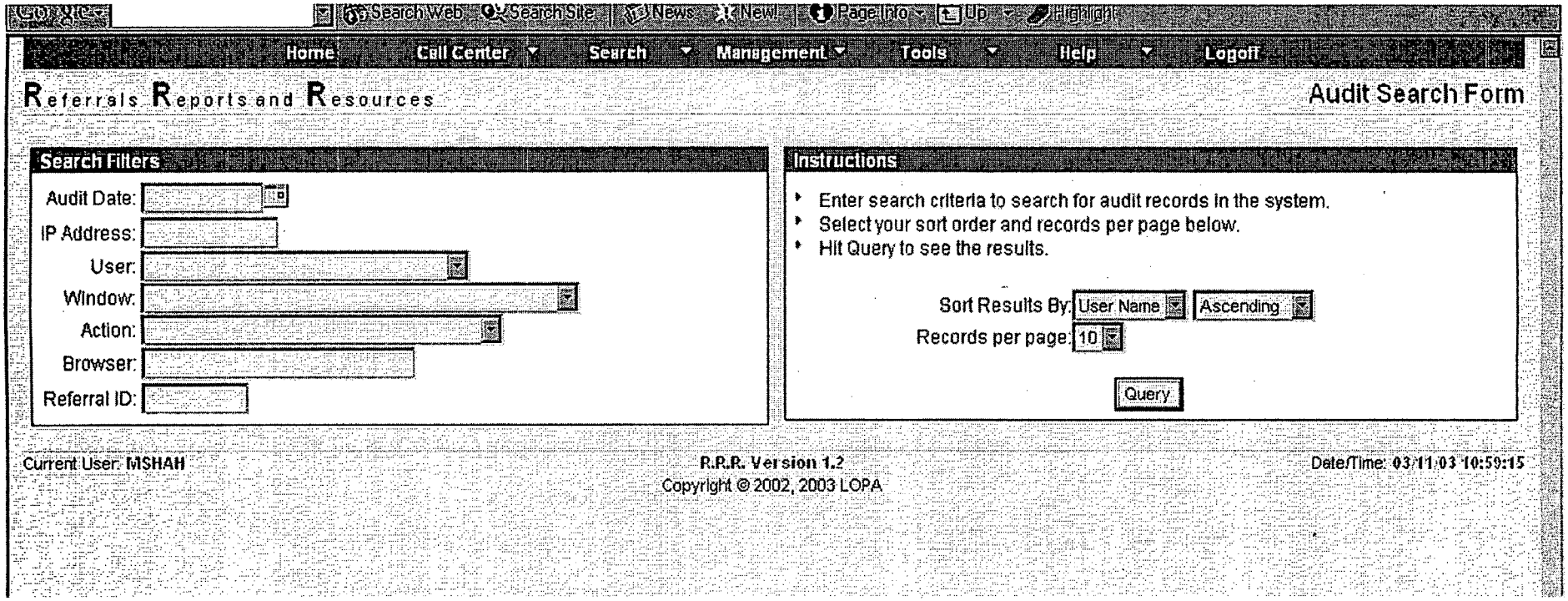


Management: Help



LOPA

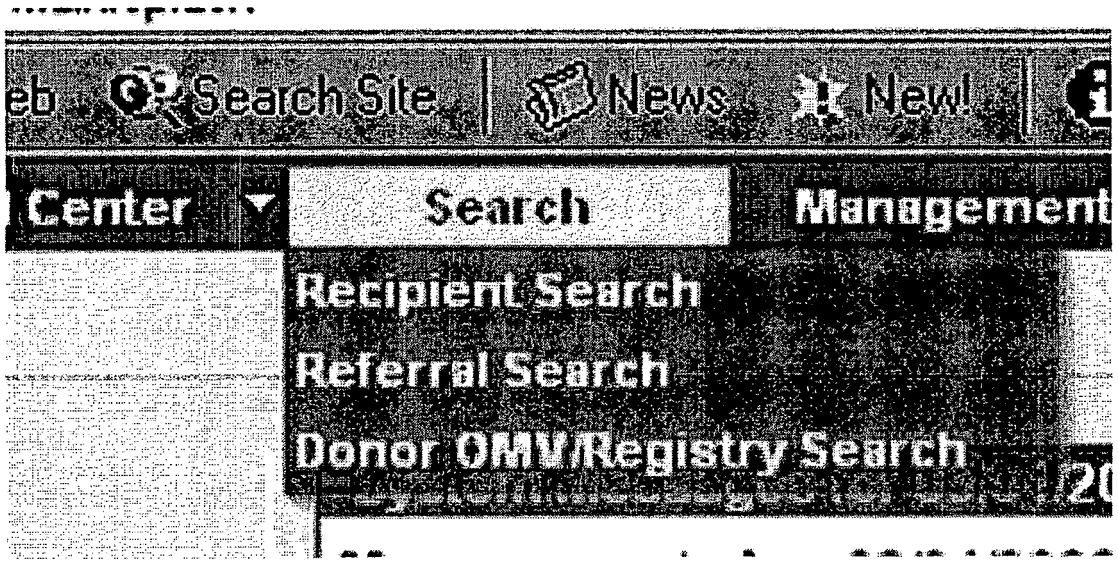
Management: Audit Data



Entering and Editing Clinical Information

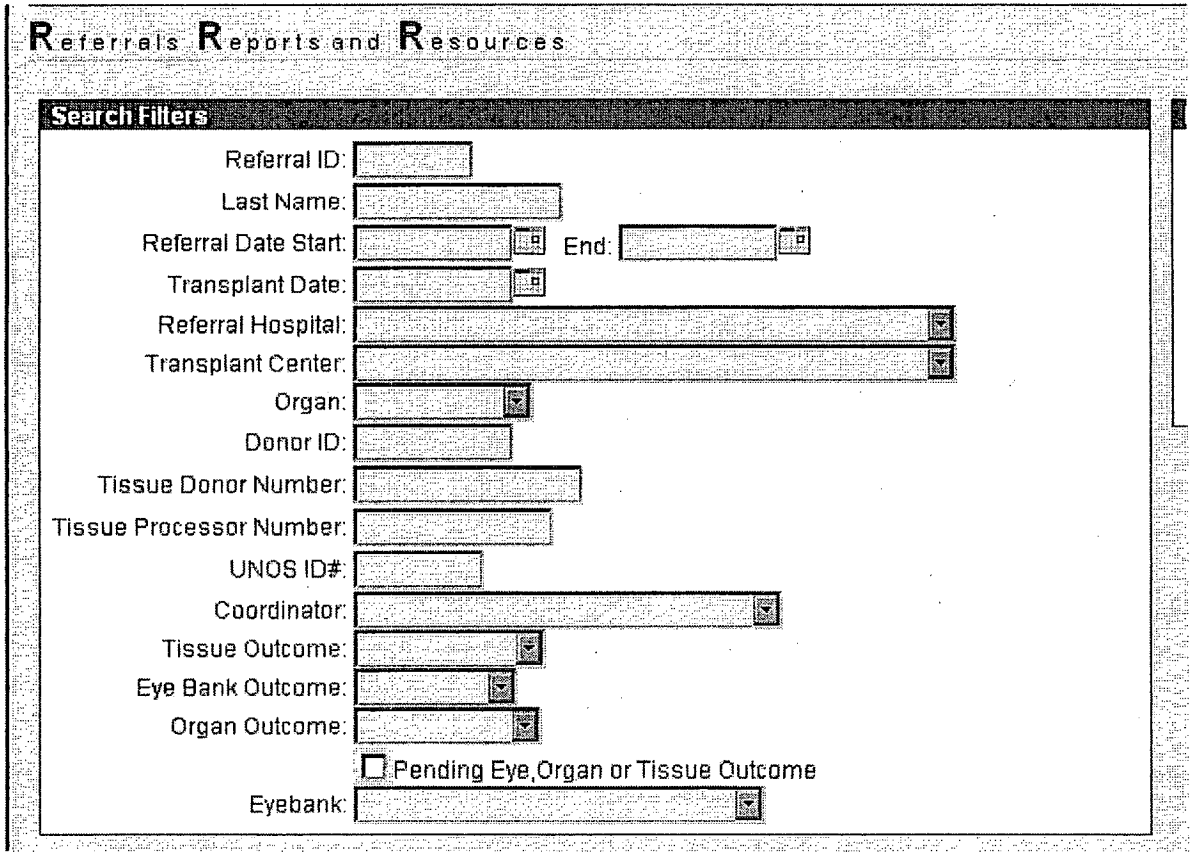
LOPA

Search Menu



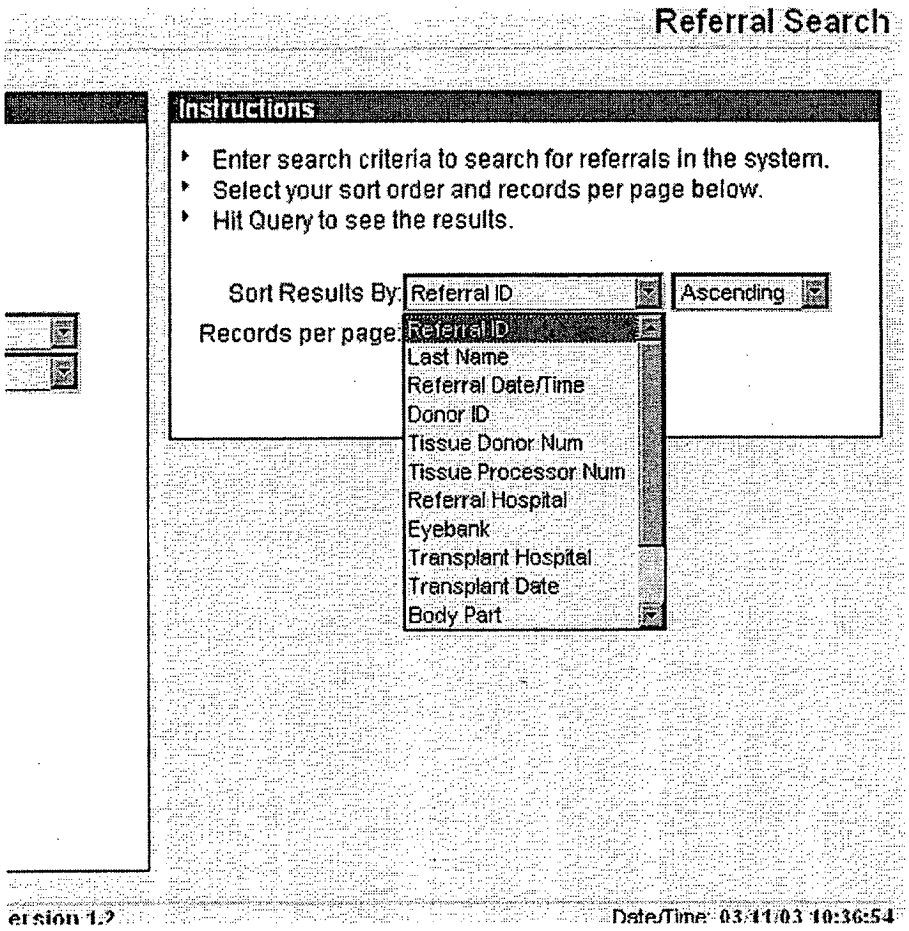
LOPA

Referral Search Parameters



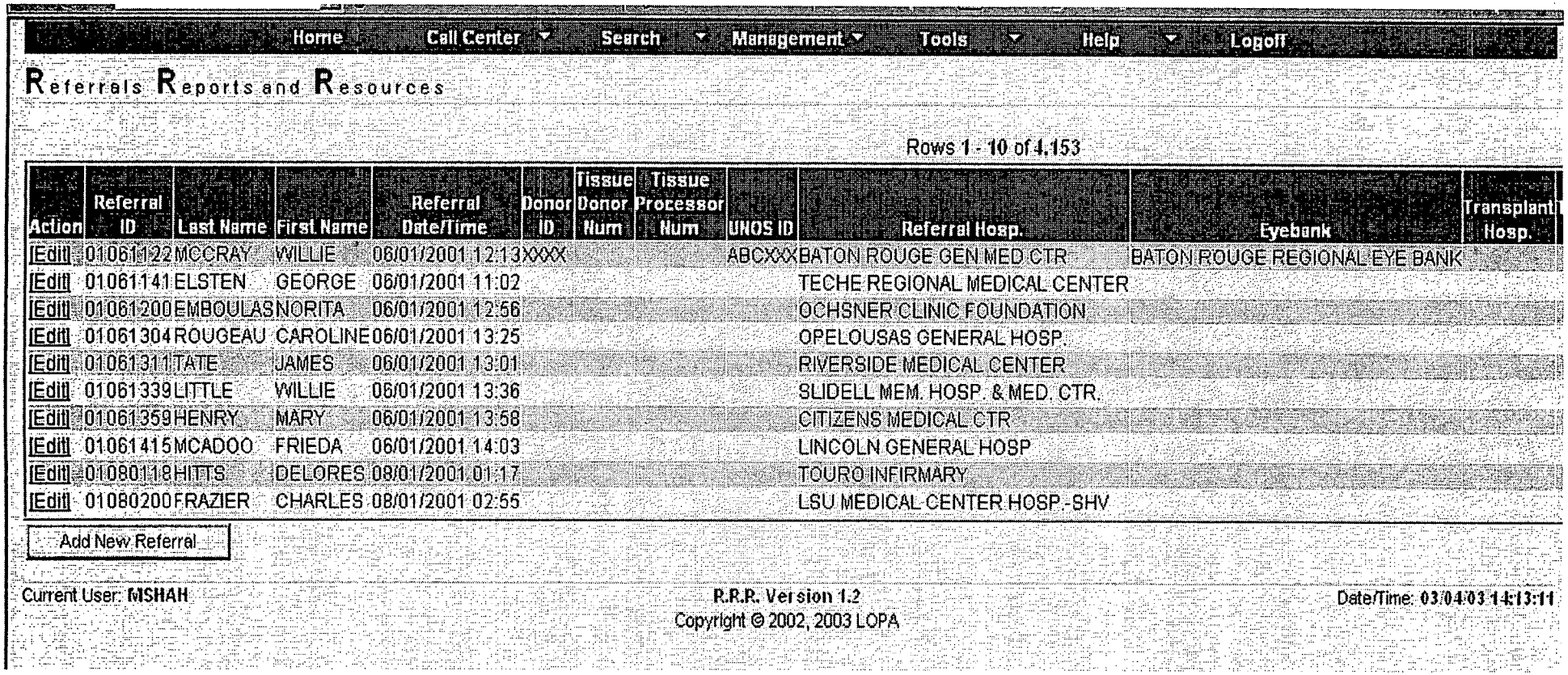
LOPA

Referral Search – Sort Criteria



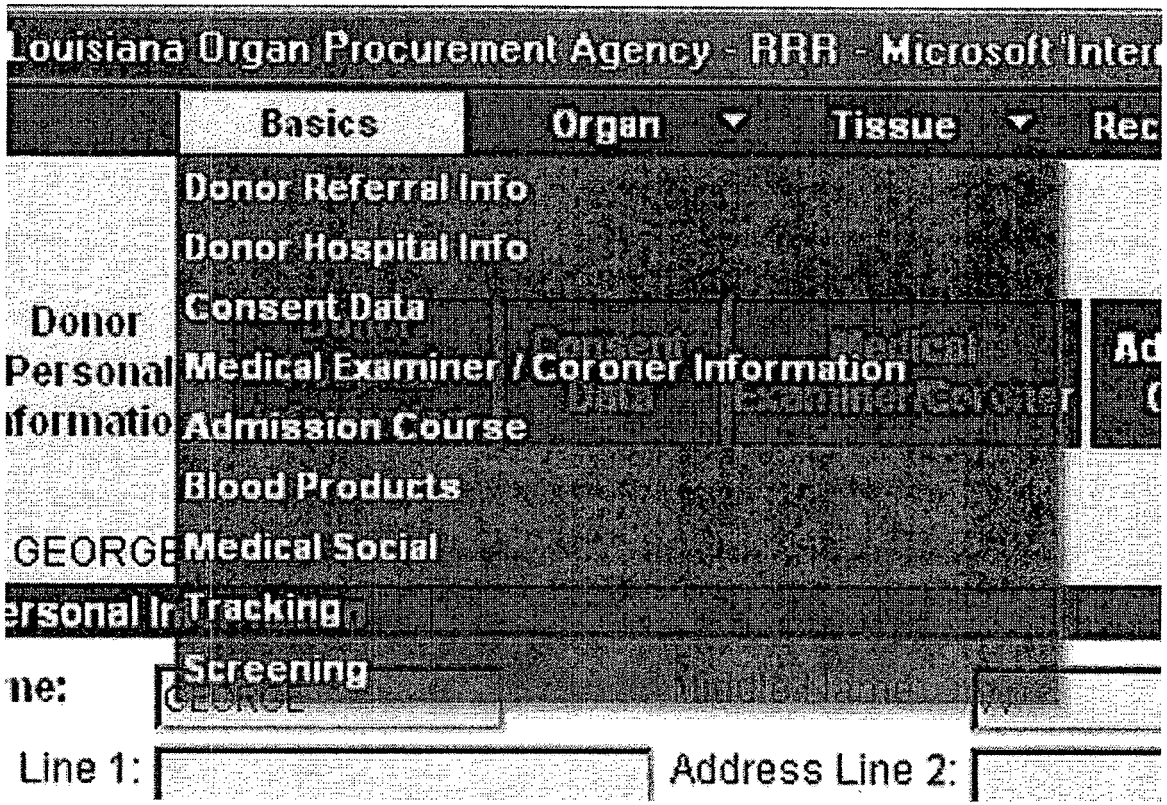
LOPA

Referral List



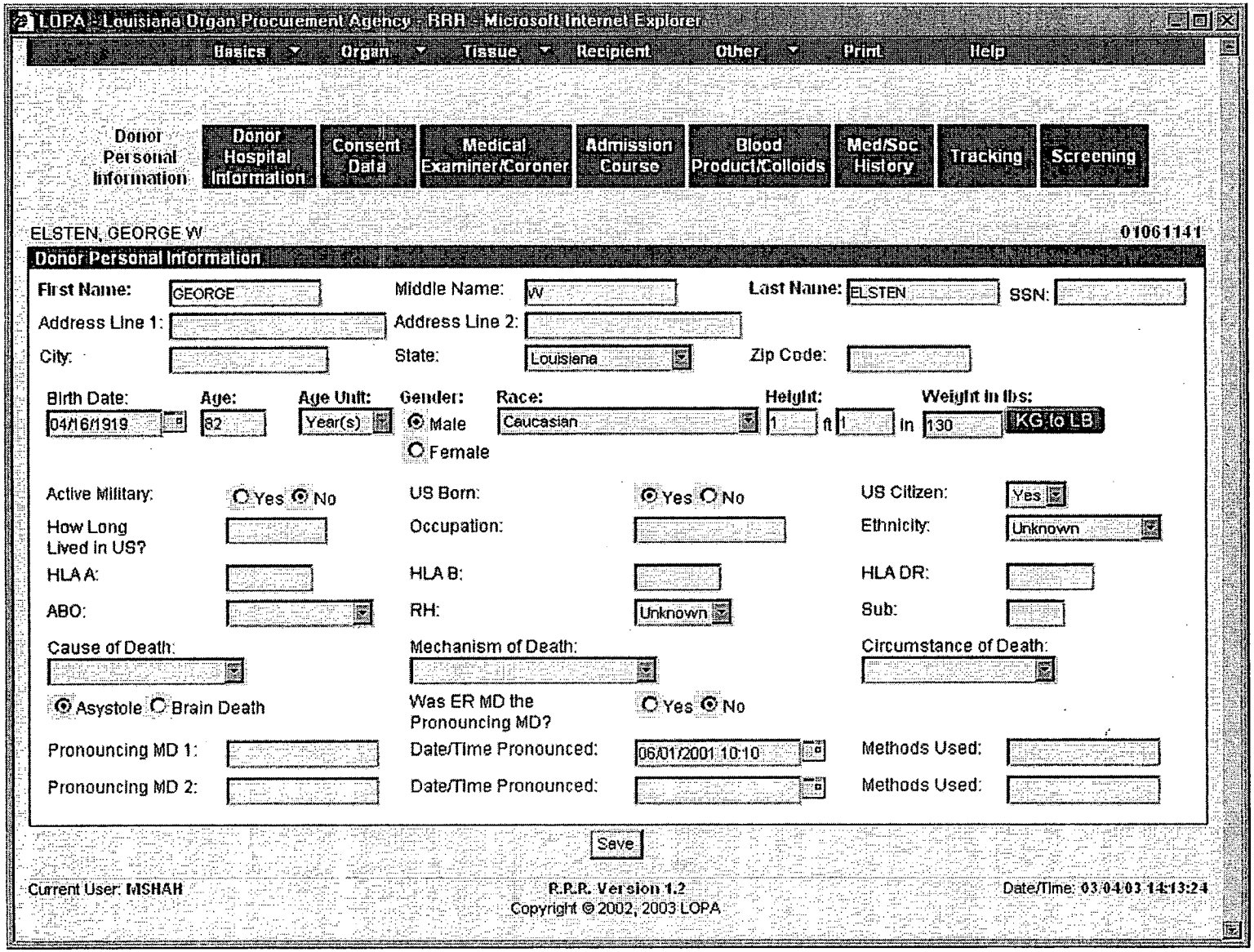
LOPA

Referral Basics Menu



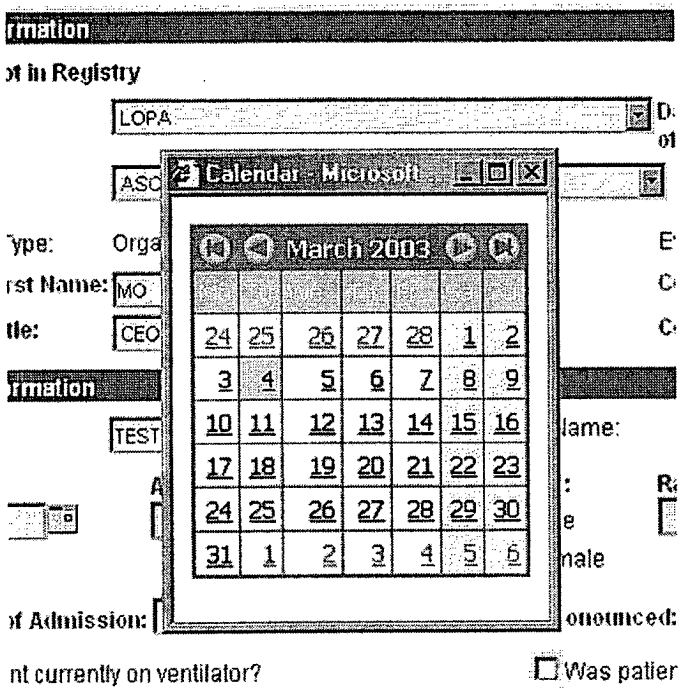
LOPA

Referral Basics: Main Page



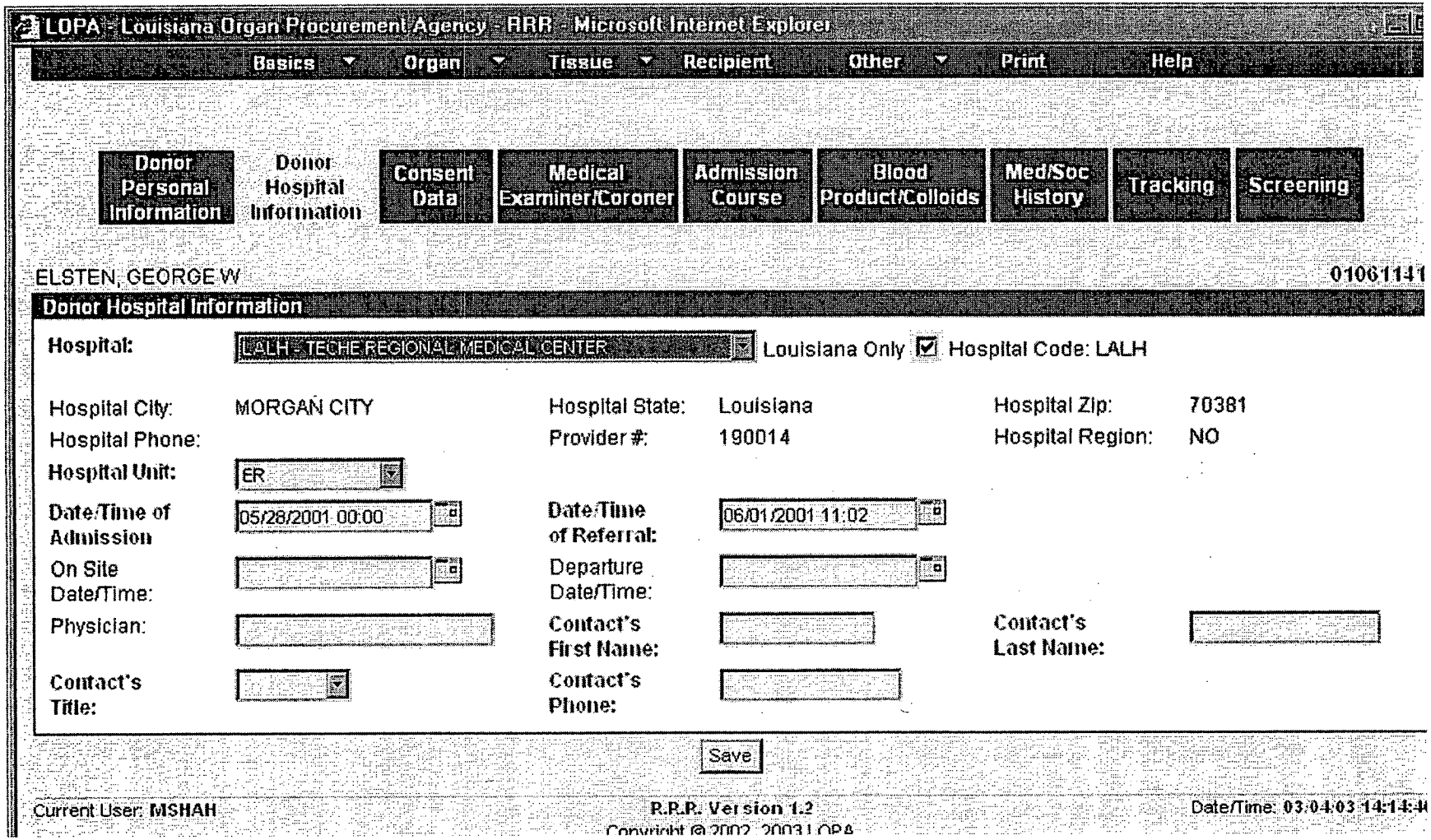
LOPA

Entering a date



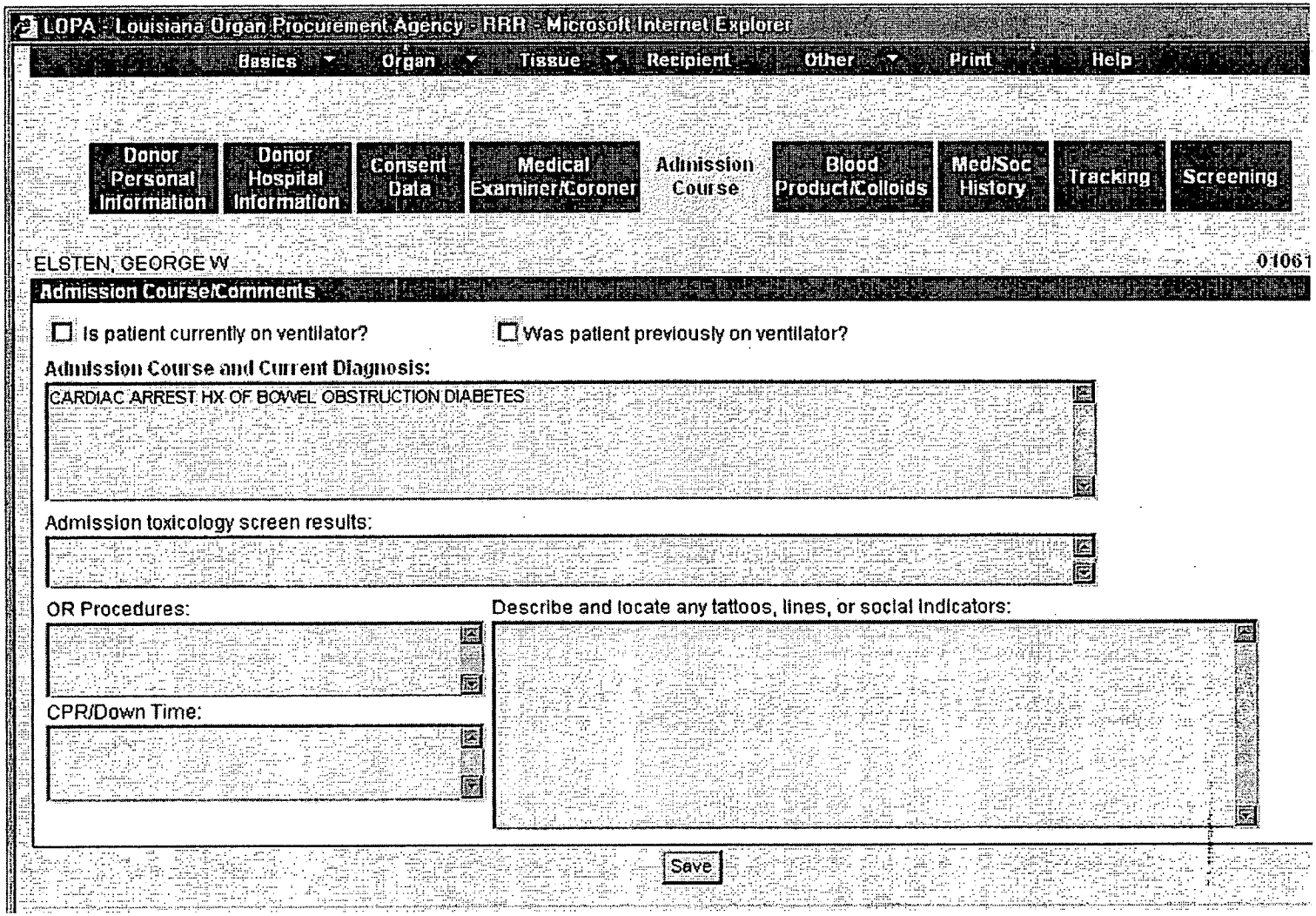
LOPA

Referral Basics: Hospital Information



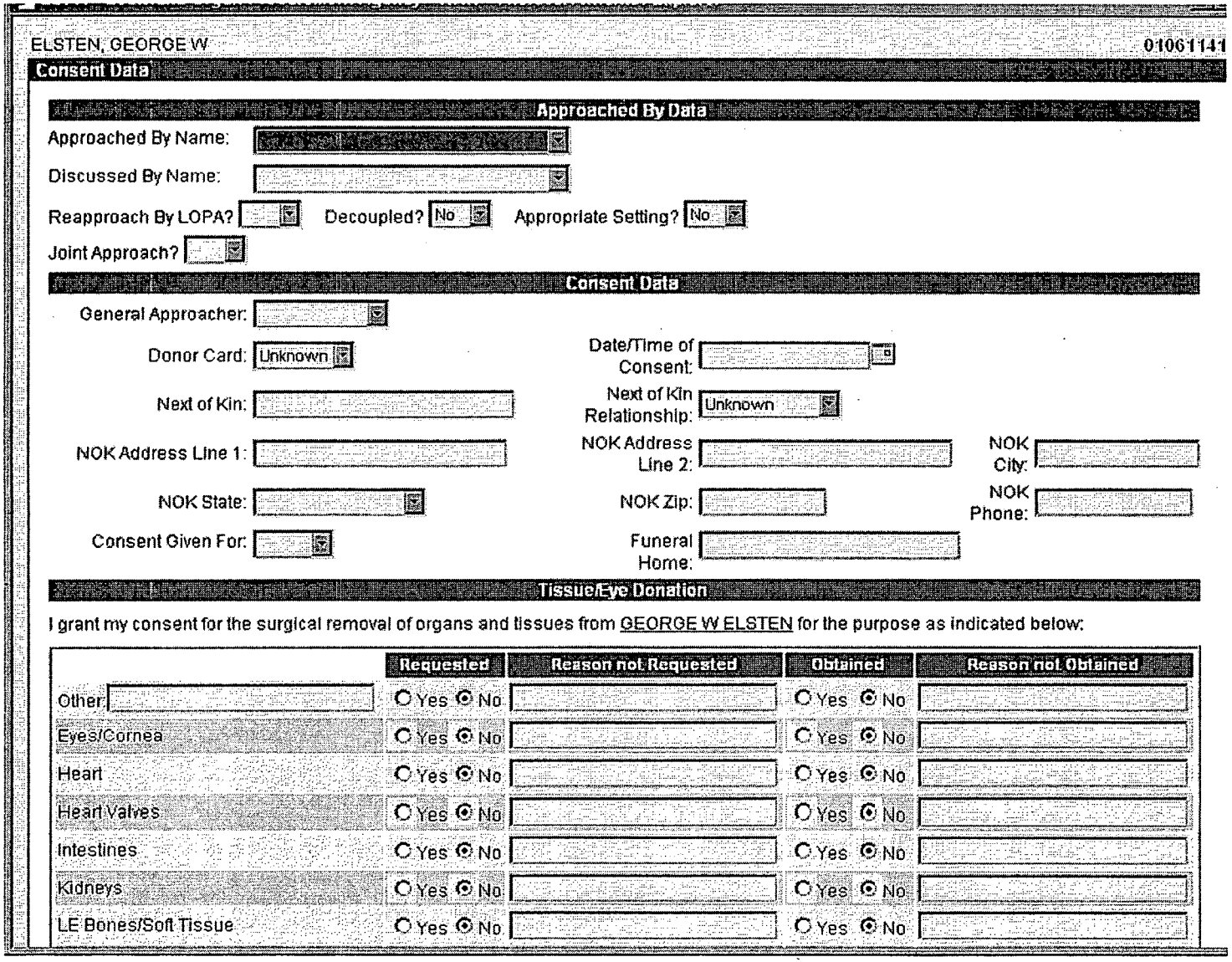
LOPA

Referral Basics: Admission Course



LOPA

Referral Basics: Consent



ELSTEN, GEORGE W 01061141

Consent Data

Approached By Data

Approached By Name:

Discussed By Name:

Reapproach By LOPA? Decoupled? No Appropriate Setting? No

Joint Approach?

Consent Data

General Approacher:

Donor Card: Unknown

Date/Time of Consent:

Next of Kin:

Next of Kin Relationship: Unknown

NOK Address Line 1:

NOK Address Line 2:

NOK City:

NOK State:

NOK Zip:

NOK Phone:

Consent Given For:

Funeral Home:

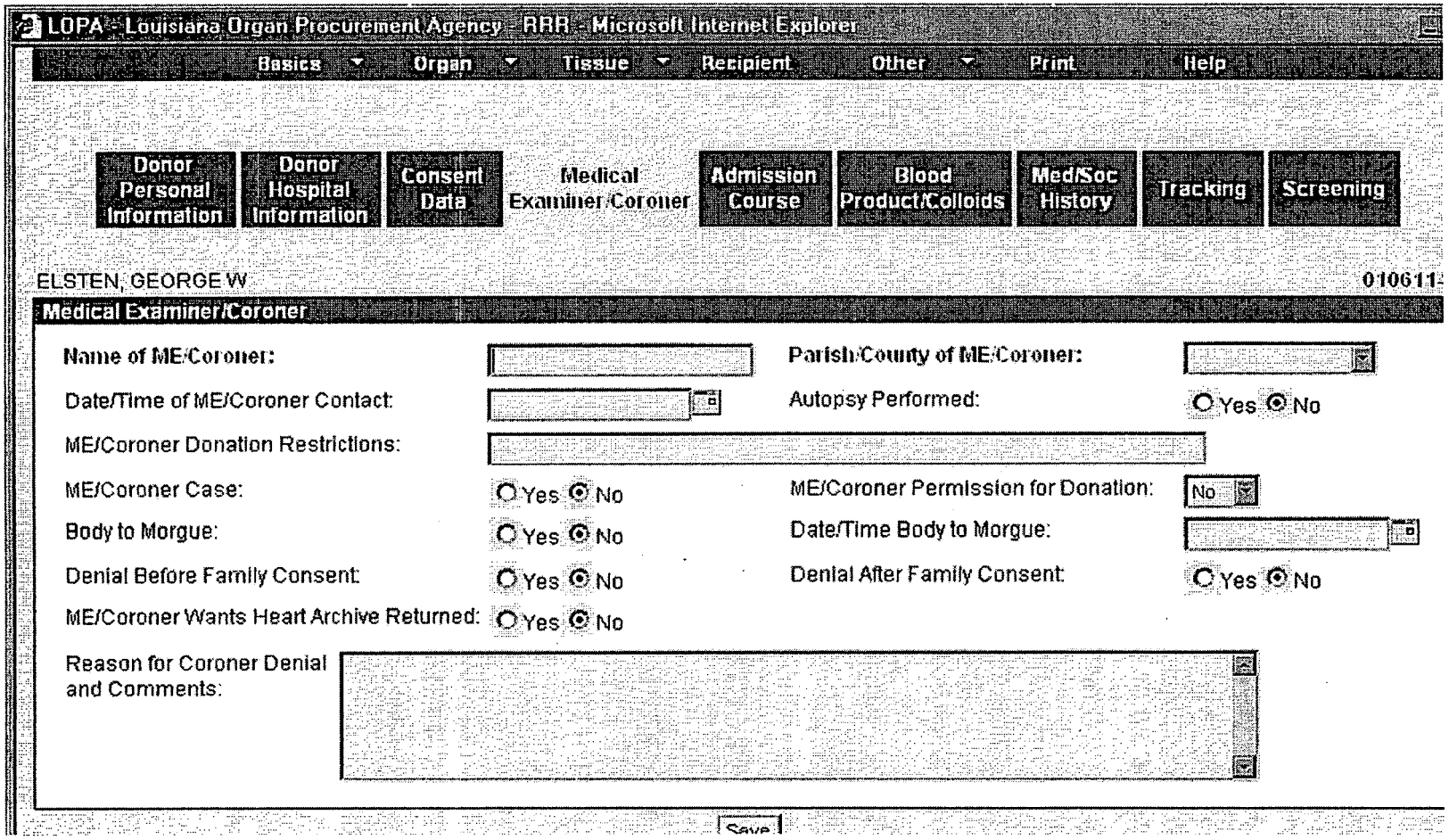
Tissue/Eye Donation

I grant my consent for the surgical removal of organs and tissues from GEORGE W ELSTEN for the purpose as indicated below:

	Requested	Reason not Requested	Obtained	Reason not Obtained
Other:	○ Yes ◉ No		○ Yes ◉ No	
Eyes/Cornea	○ Yes ◉ No		○ Yes ◉ No	
Heart	○ Yes ◉ No		○ Yes ◉ No	
Heart Valves	○ Yes ◉ No		○ Yes ◉ No	
Intestines	○ Yes ◉ No		○ Yes ◉ No	
Kidneys	○ Yes ◉ No		○ Yes ◉ No	
LE Bones/Soft Tissue	○ Yes ◉ No		○ Yes ◉ No	

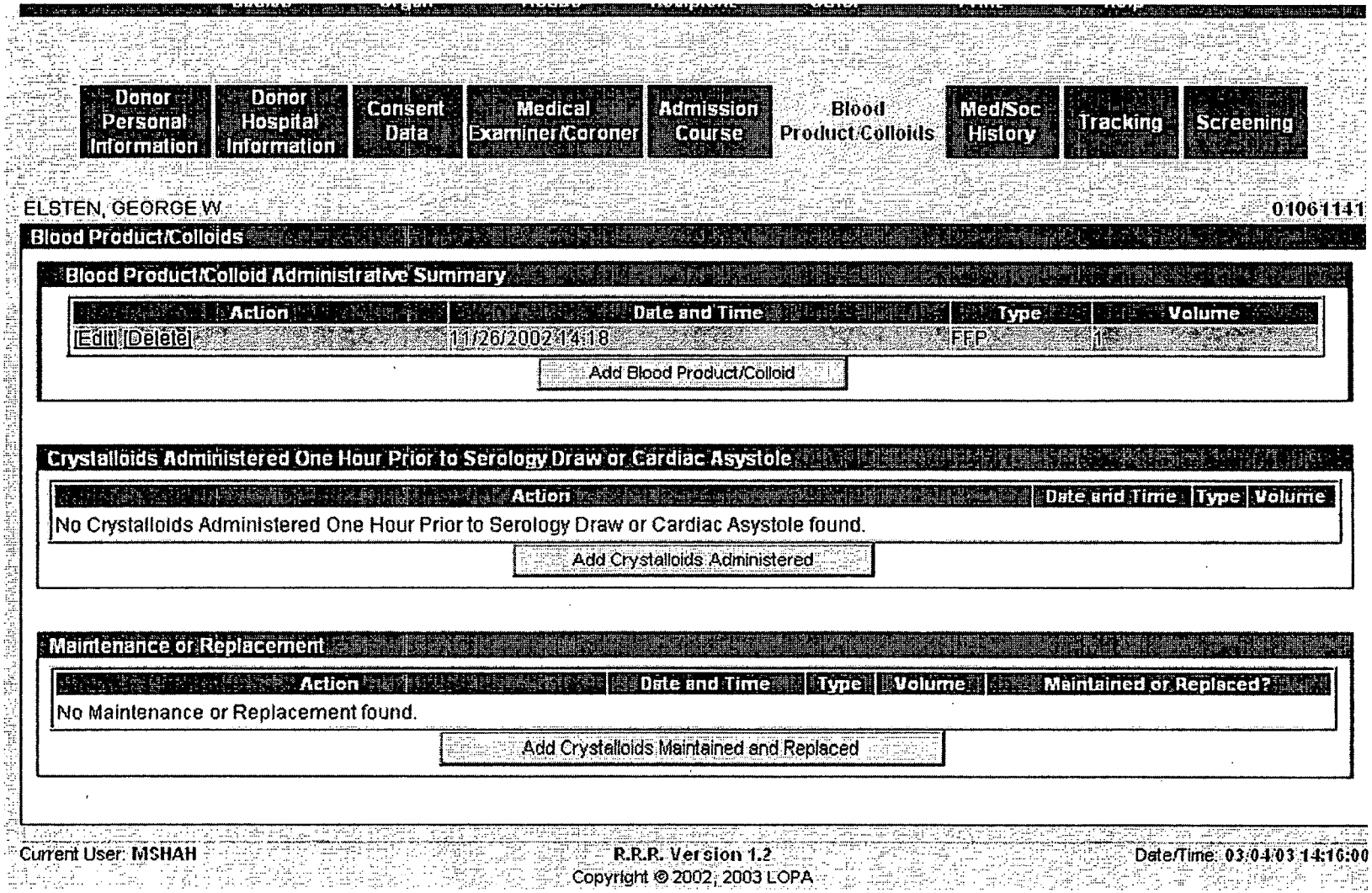
LOPA

Referral Basics: ME/Coroner



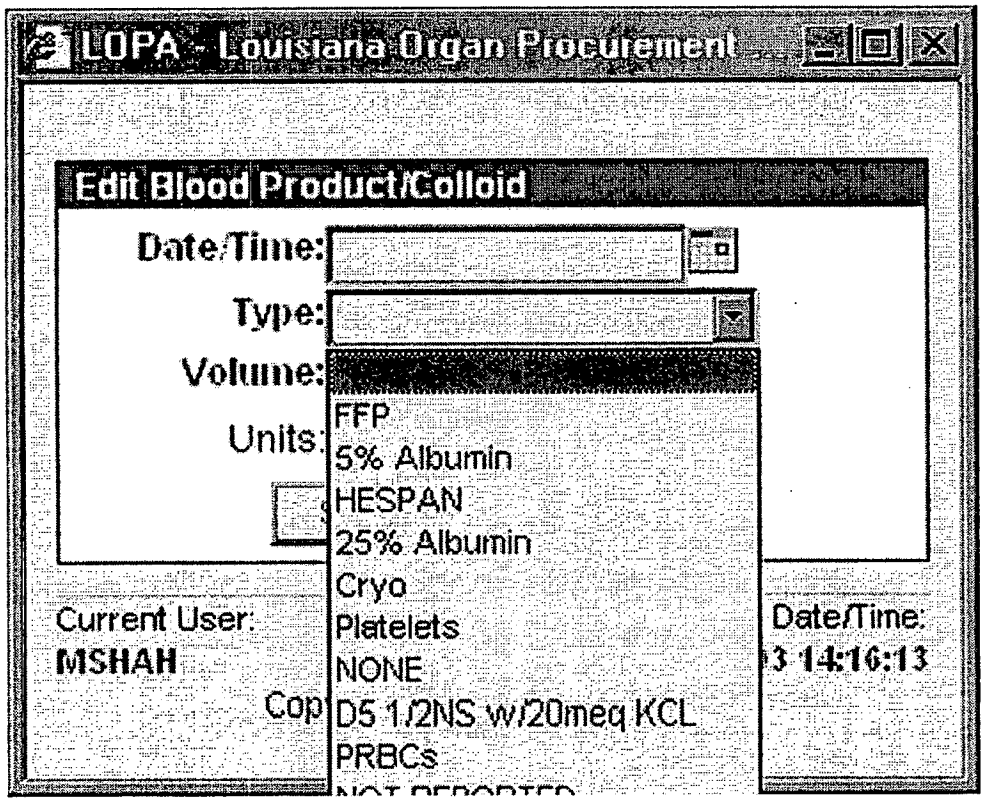
LOPA

Referral Basics: Blood Products/Colloids



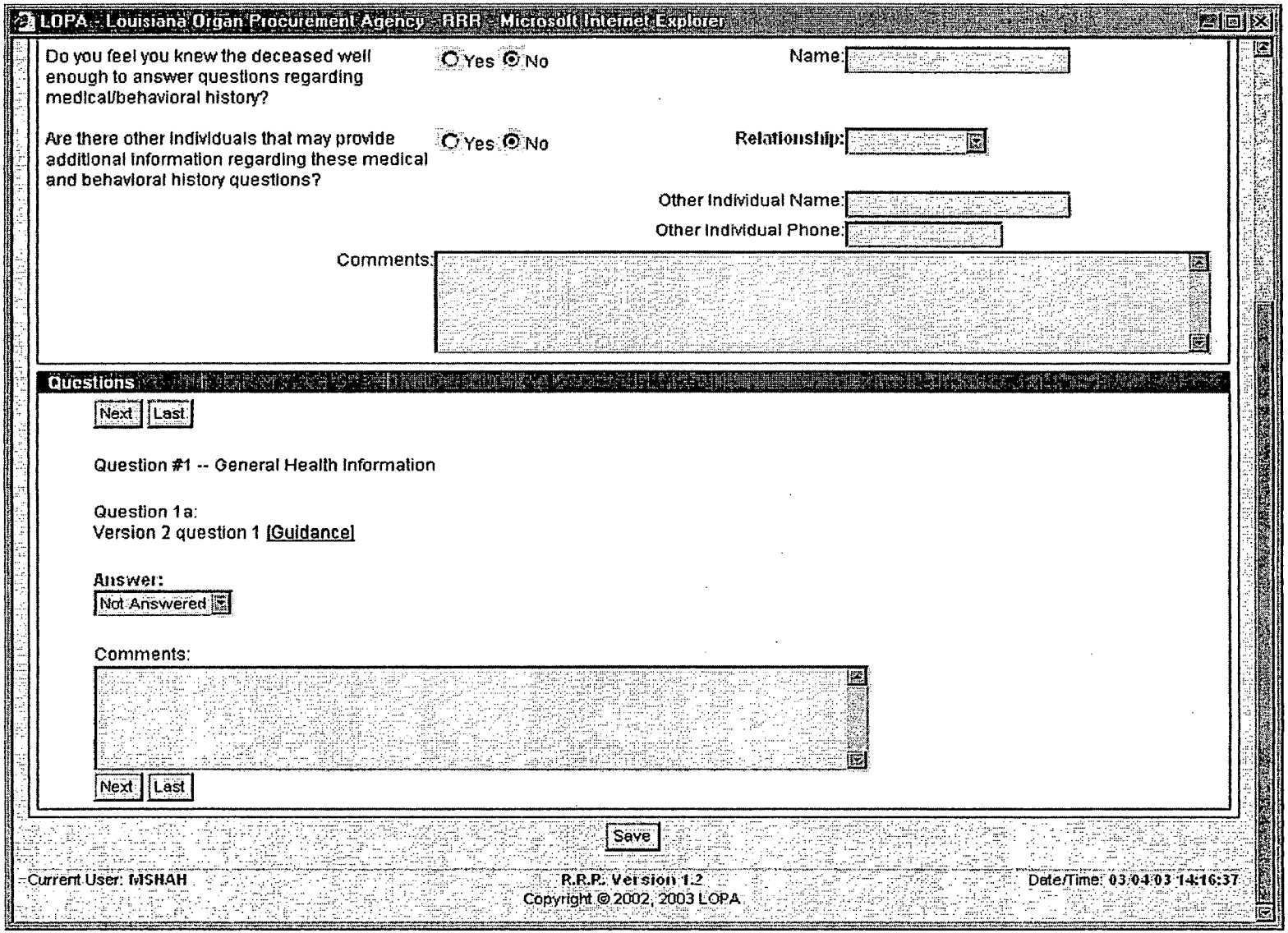
LOPA

Referral Basics: Entering a Blood Product



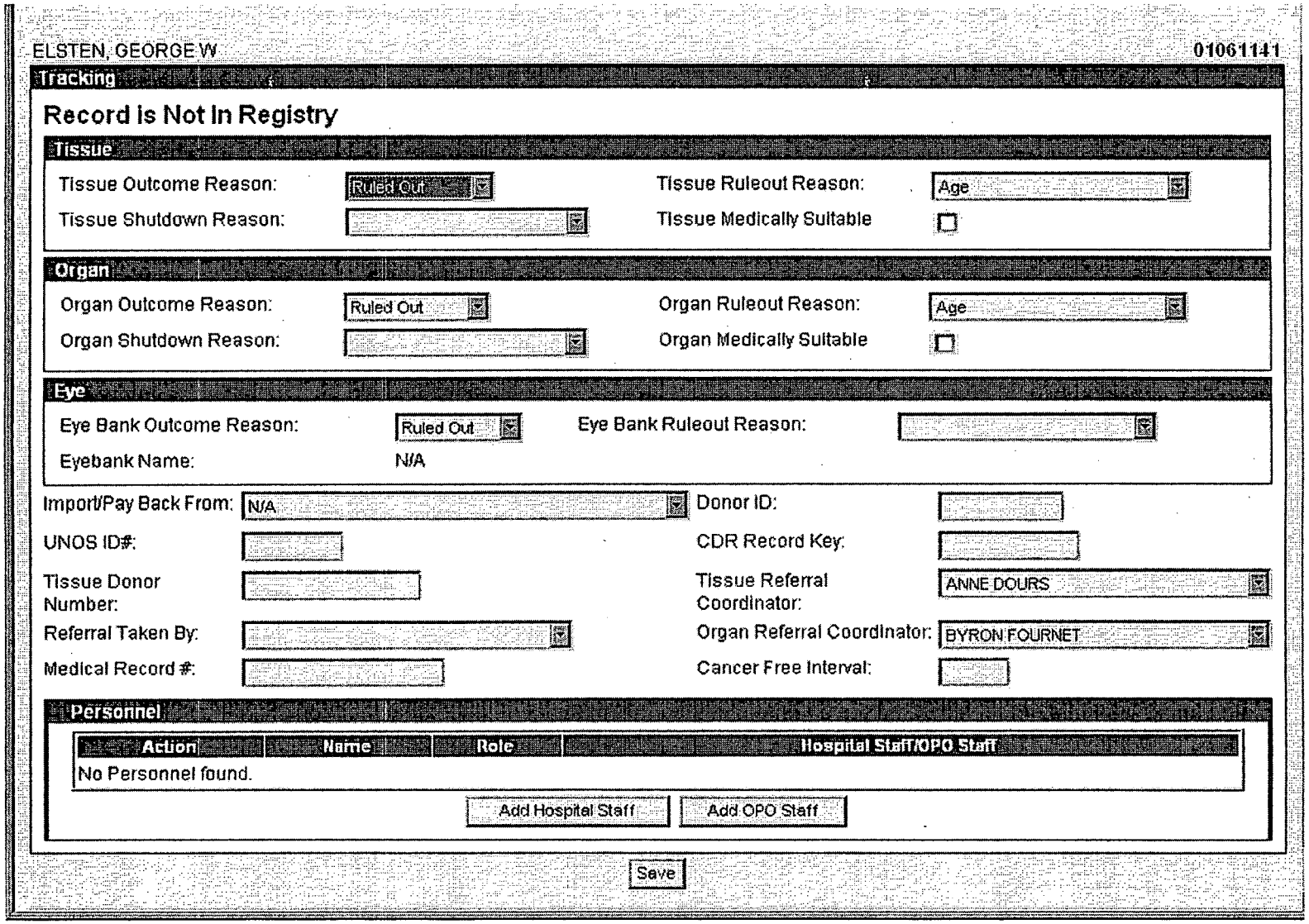
LOPA

Referral Basics: Medical/Social Questionnaire



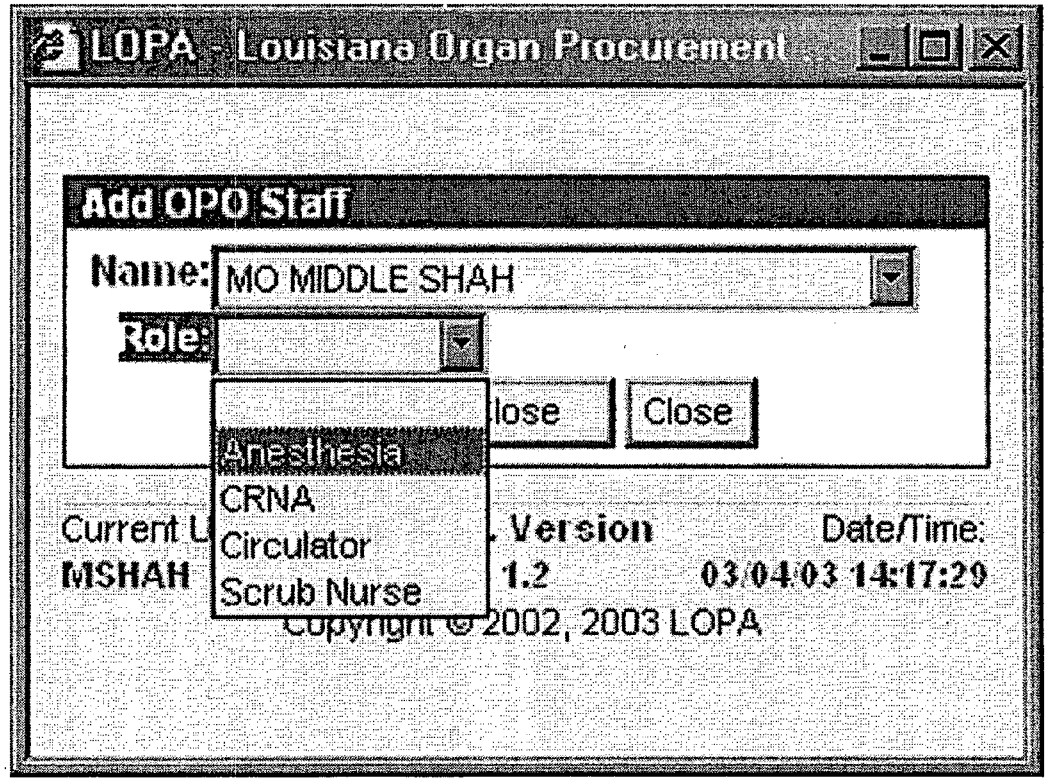
LOPA

Referral Basics: Tracking

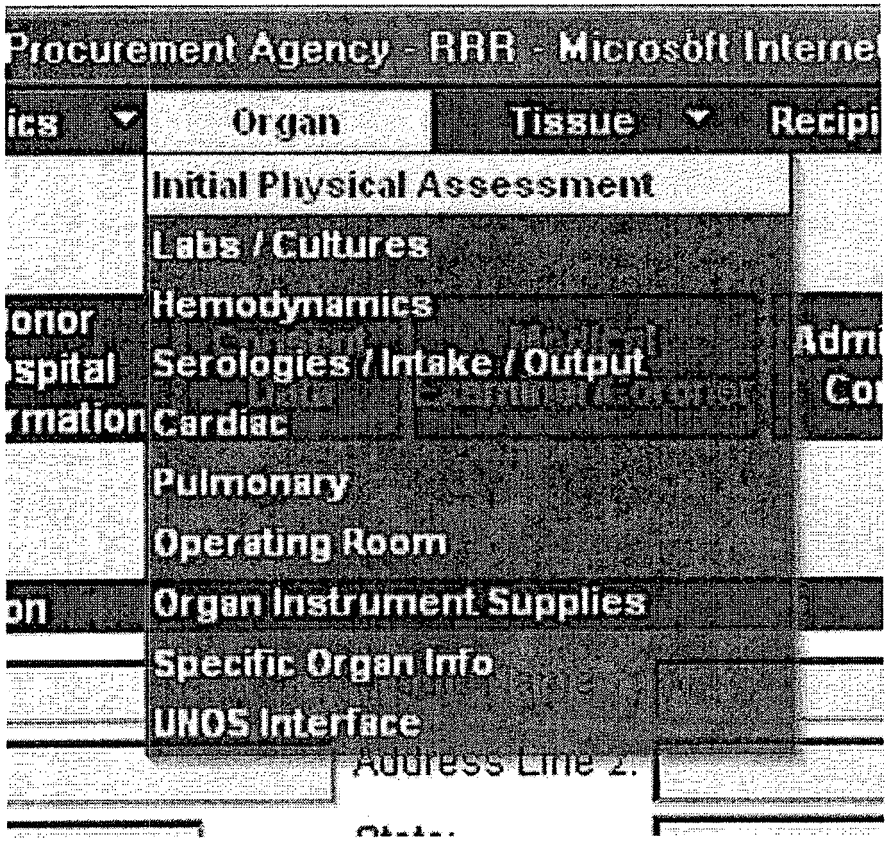


LOPA

Referral Basics: Adding staff

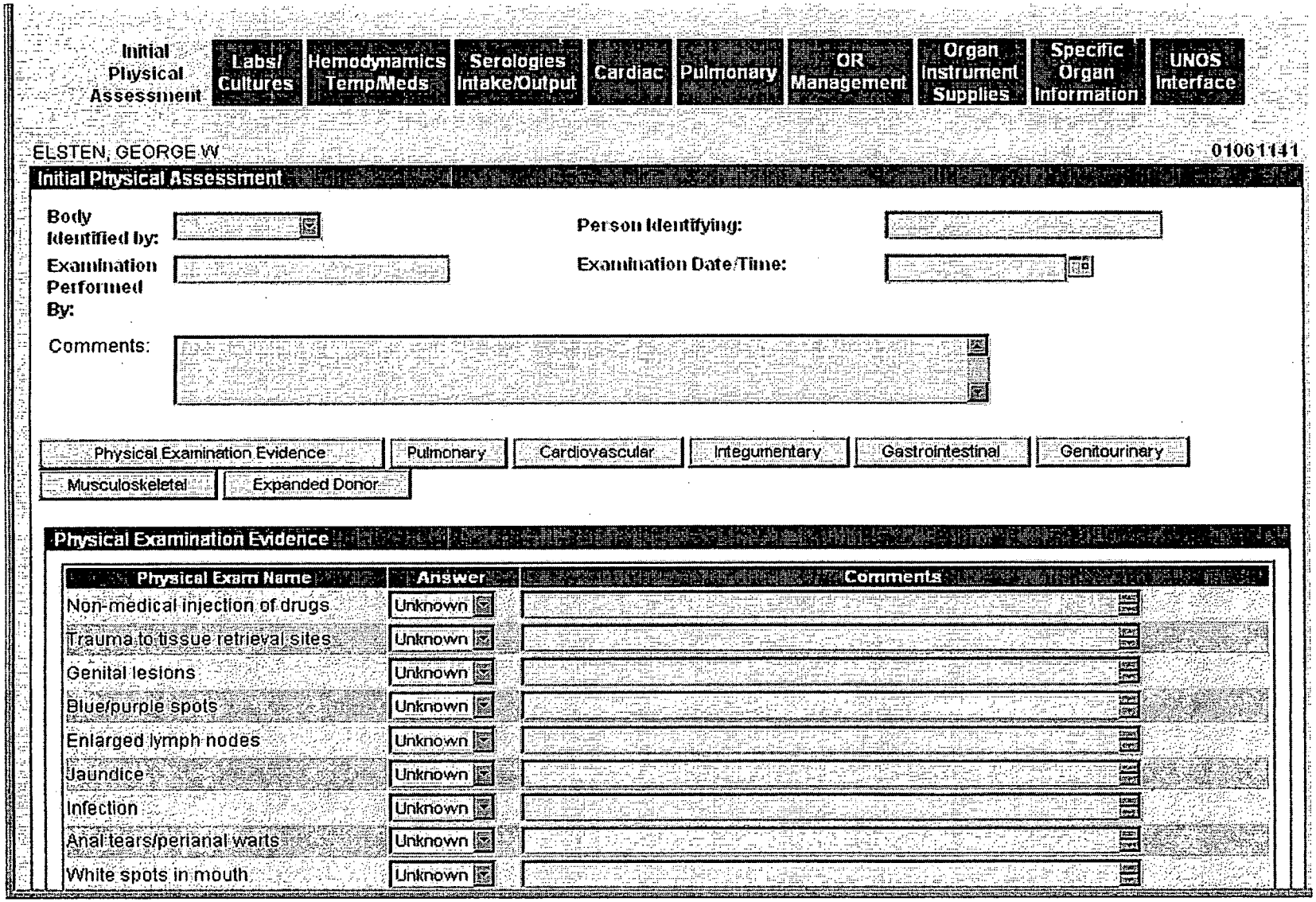


Organ Menu



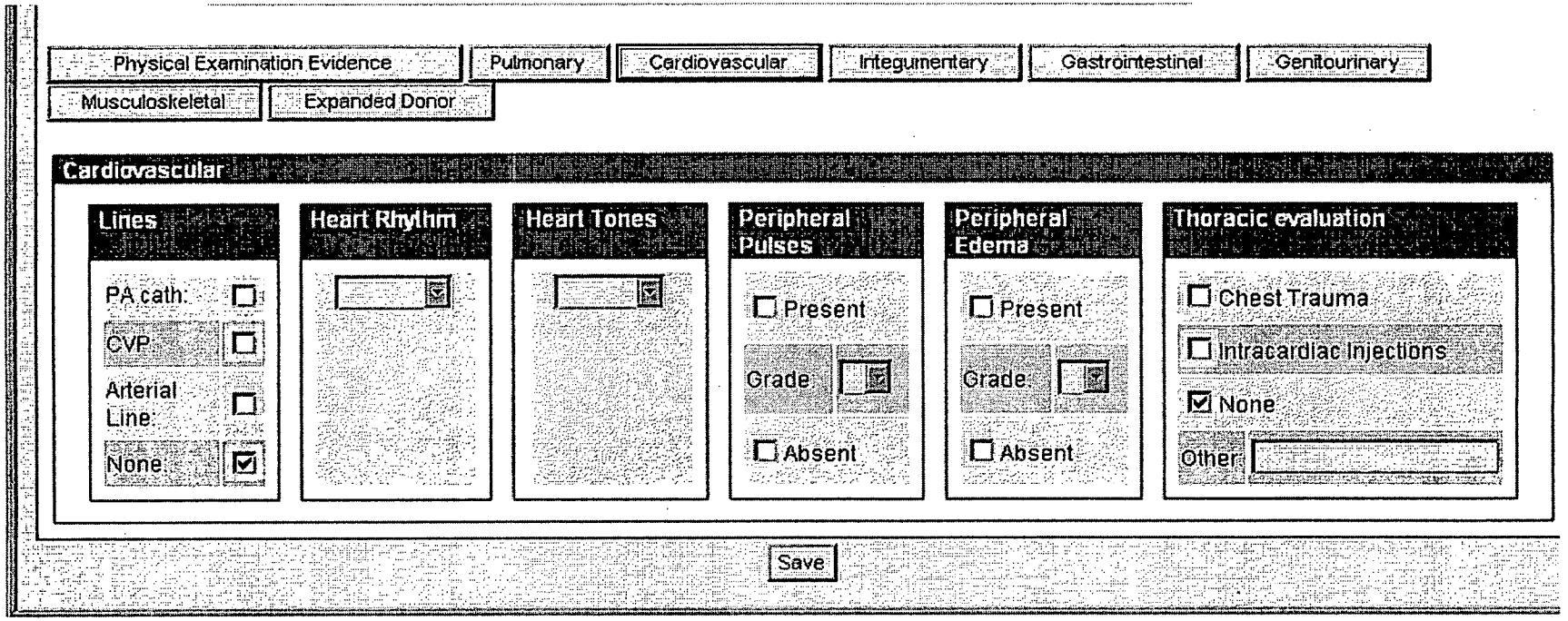
LOPA

Organ: Initial Physical Assessment



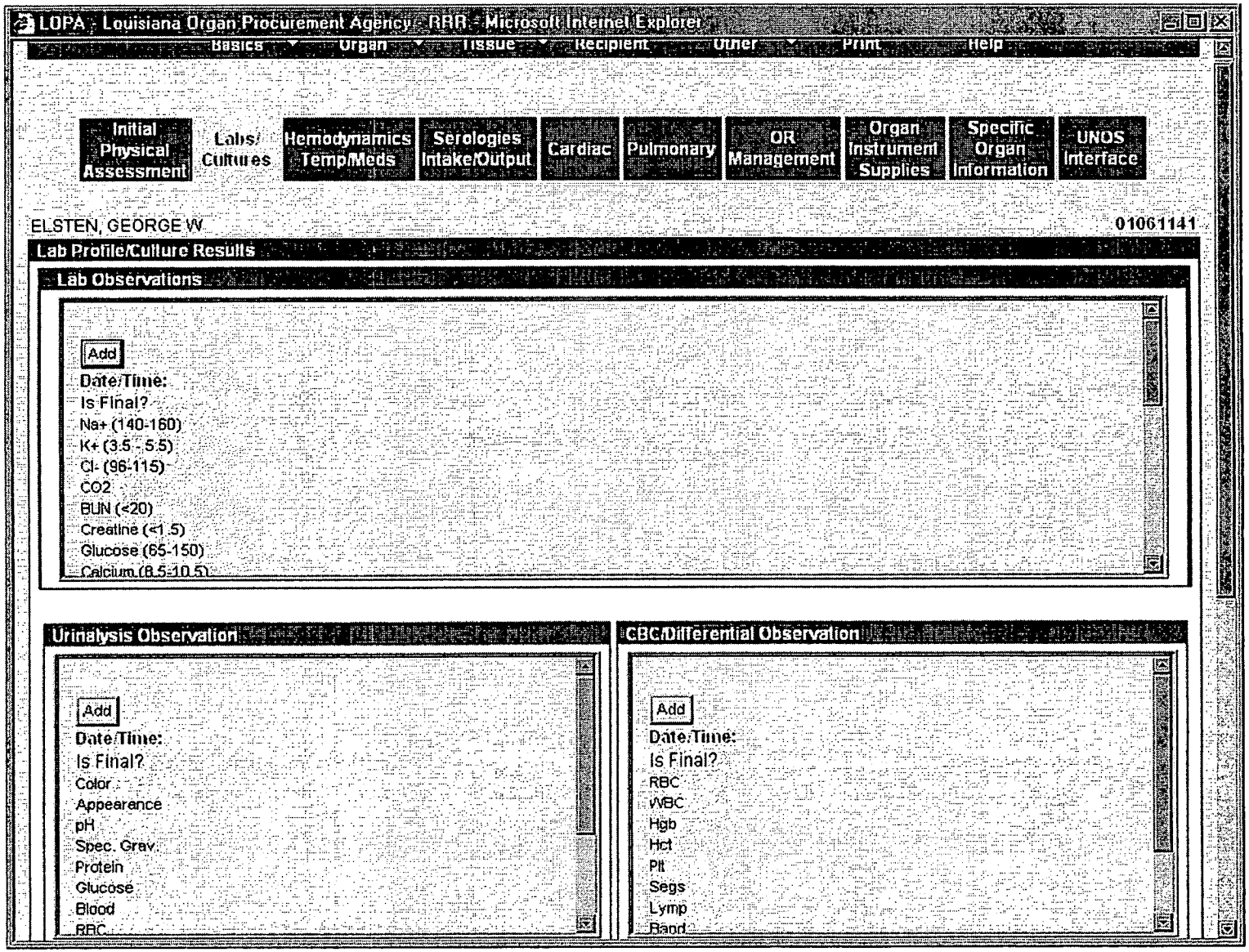
LOPA

Organ: Initial Physical Assessment -Cardiovascular



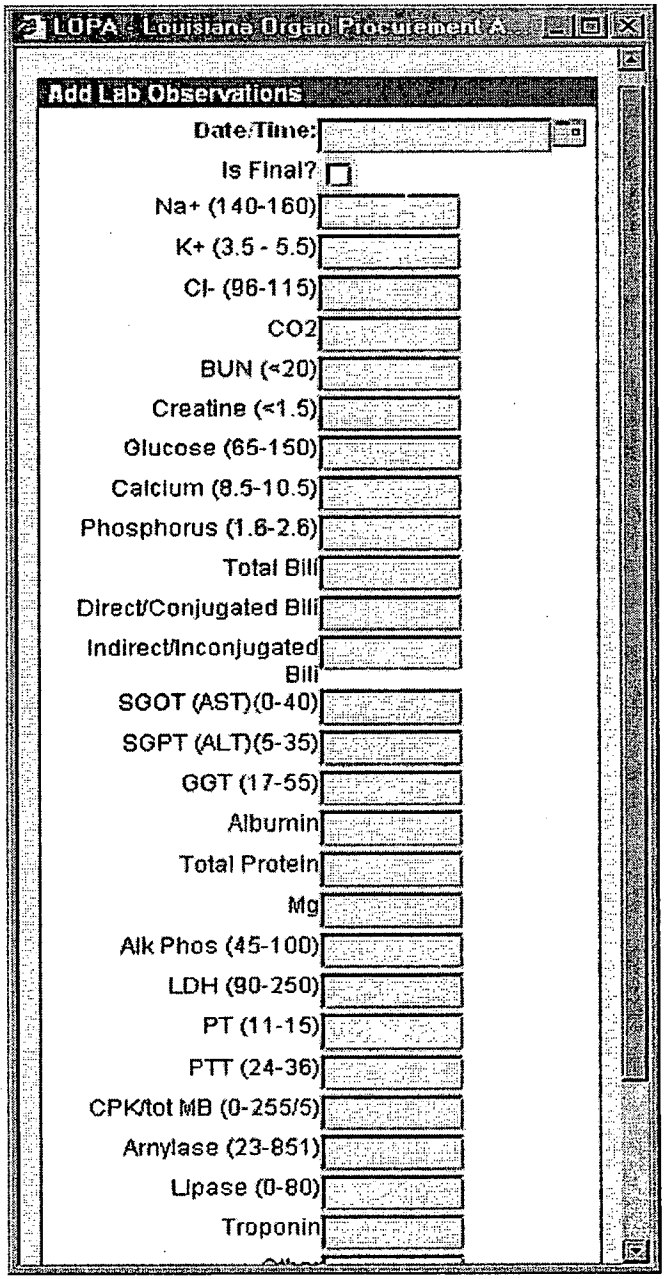
LOPA

Organ: Labs/Cultures



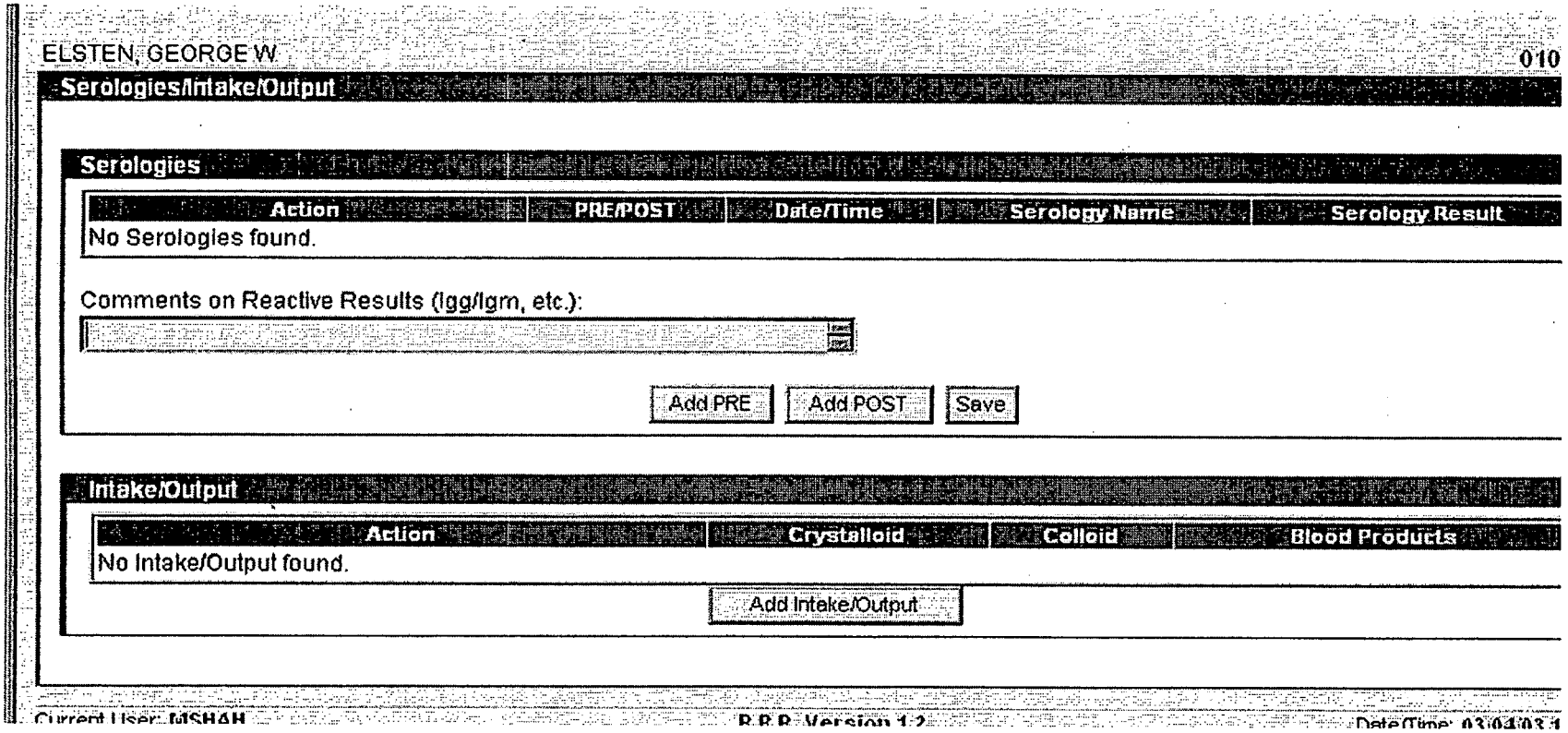
LOPA

Organ: Adding a lab



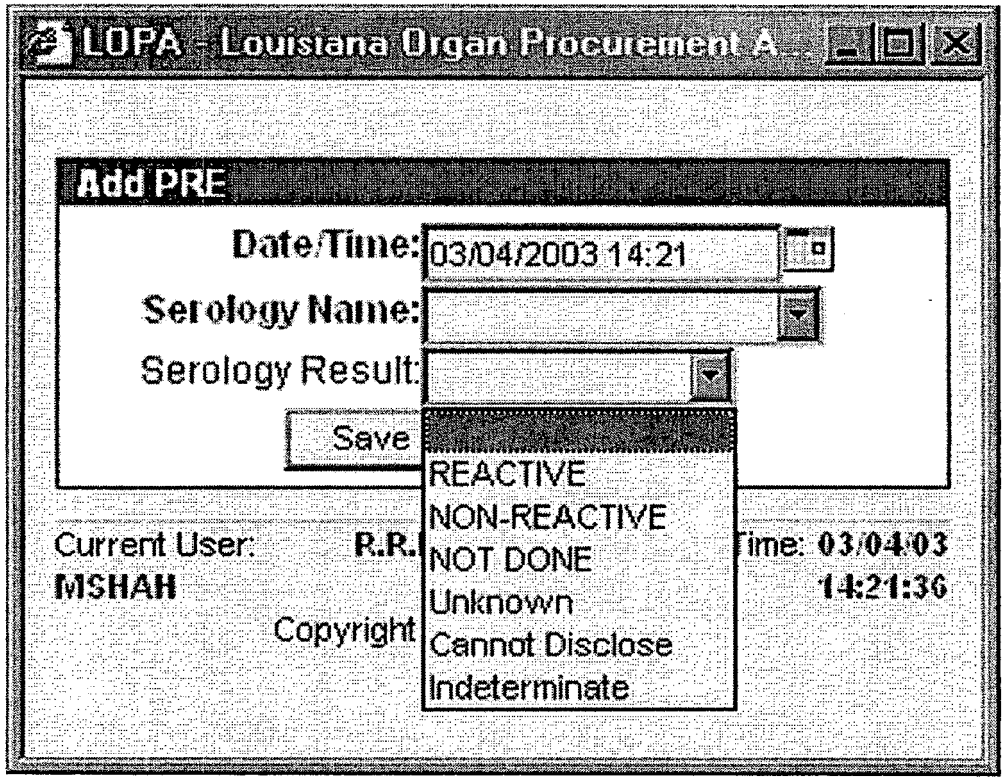
LOPA

Organ: Serology Results

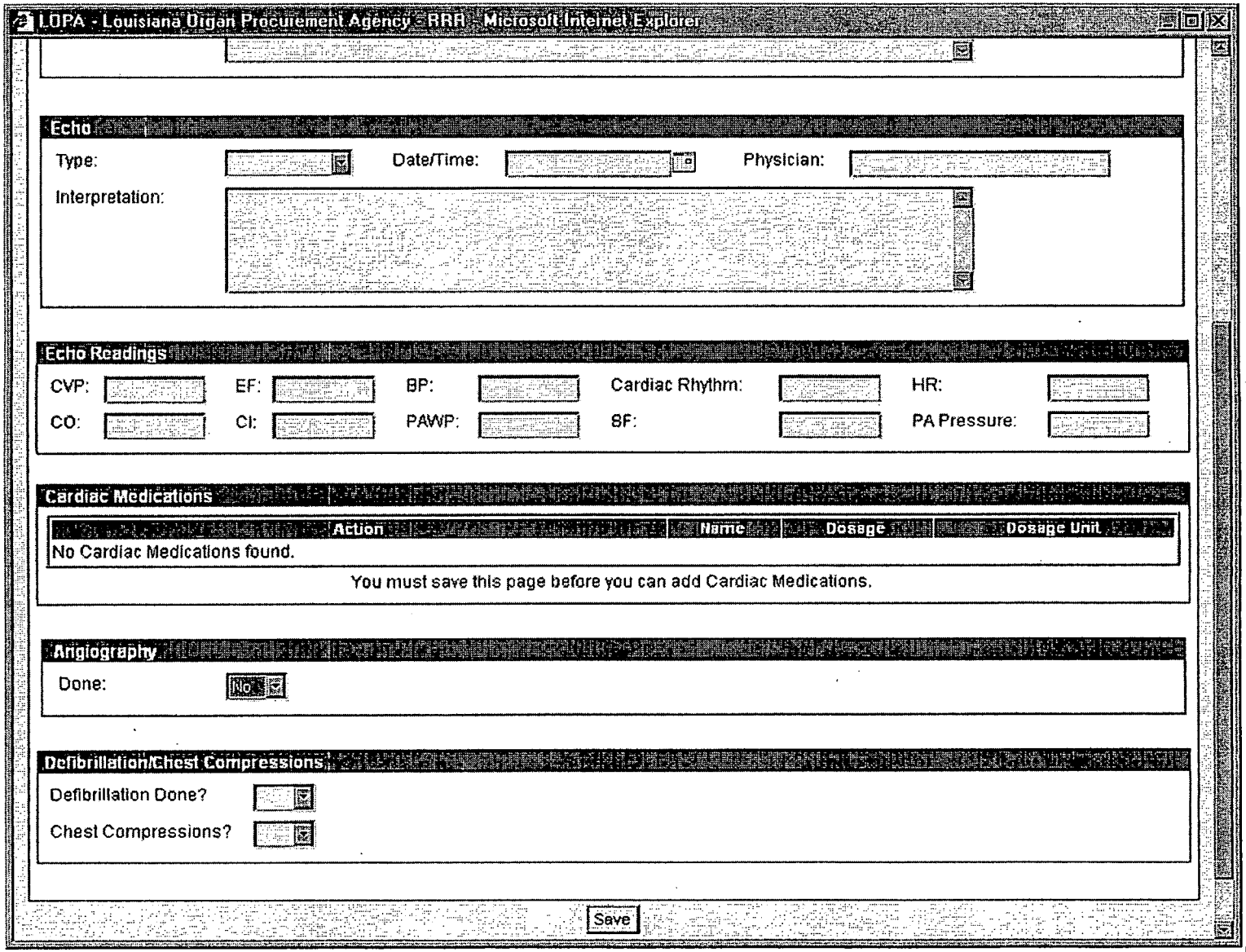


LOPA

Organ: Serology – Adding a serology

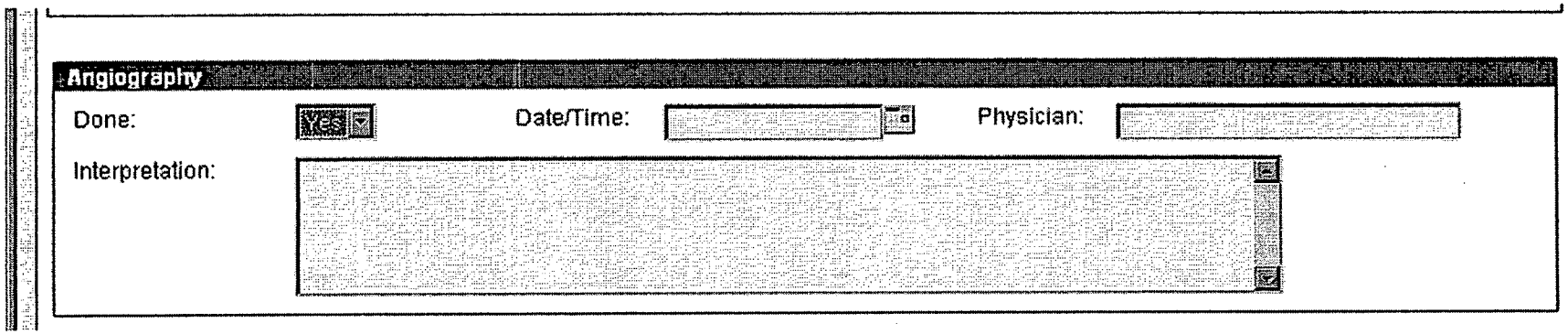


Organ: Cardiac Data



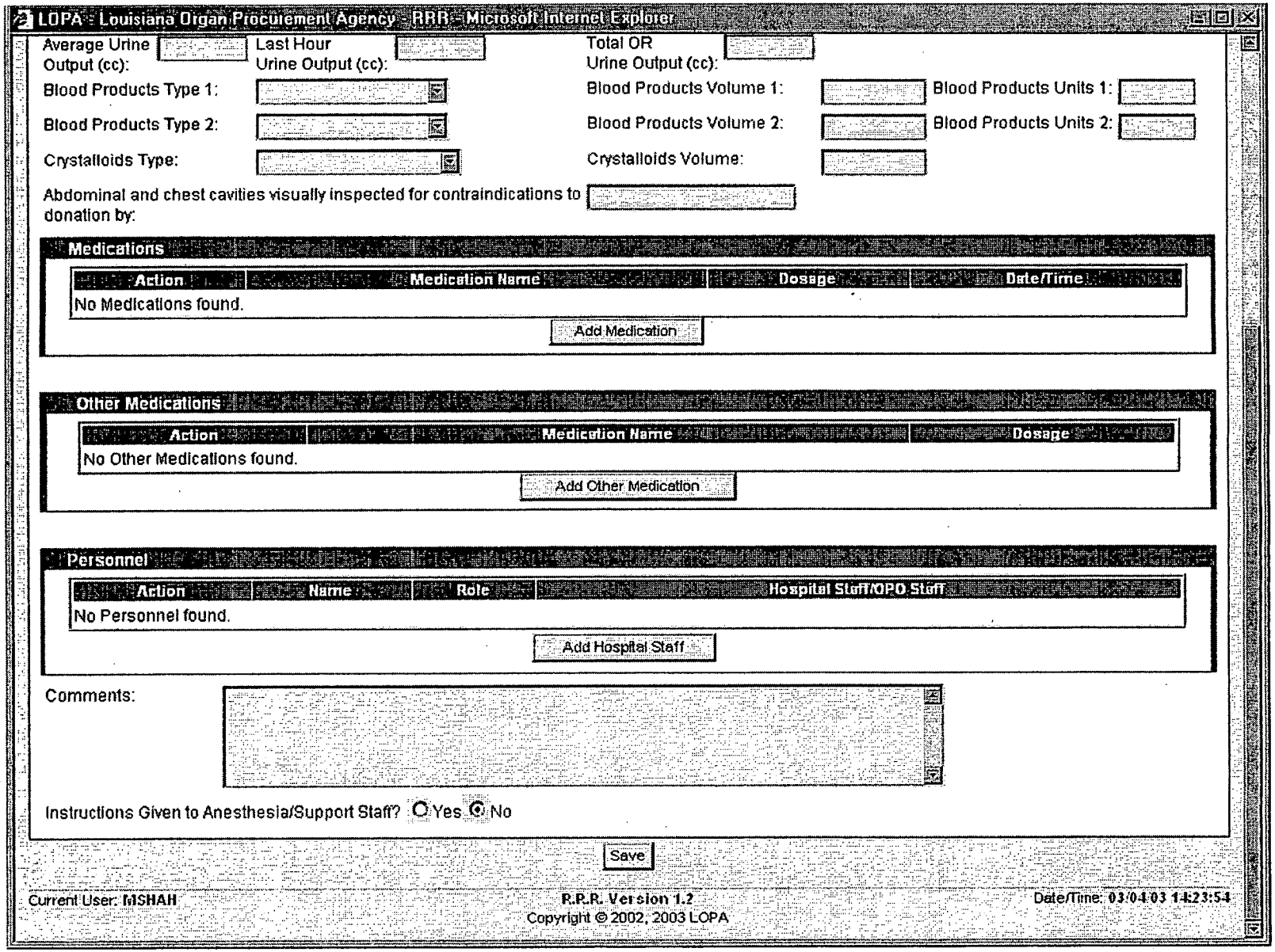
LOPA

Organ: Cardiac (dependant fields)



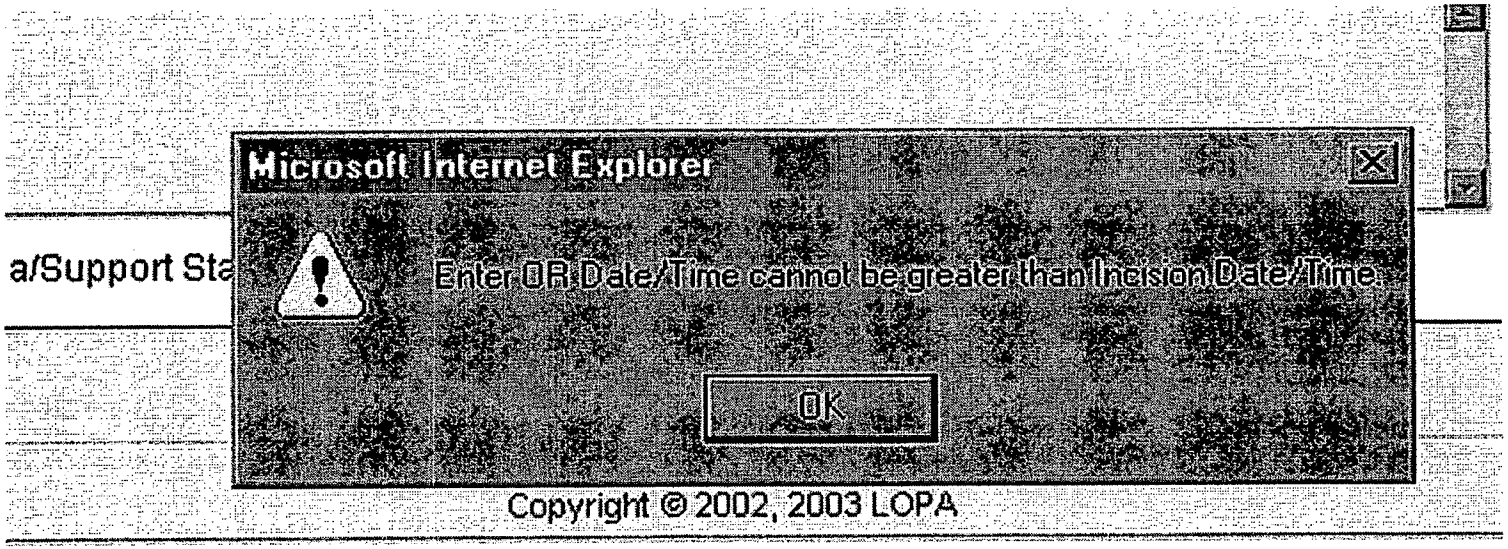
LOPA

Organ: OR Management

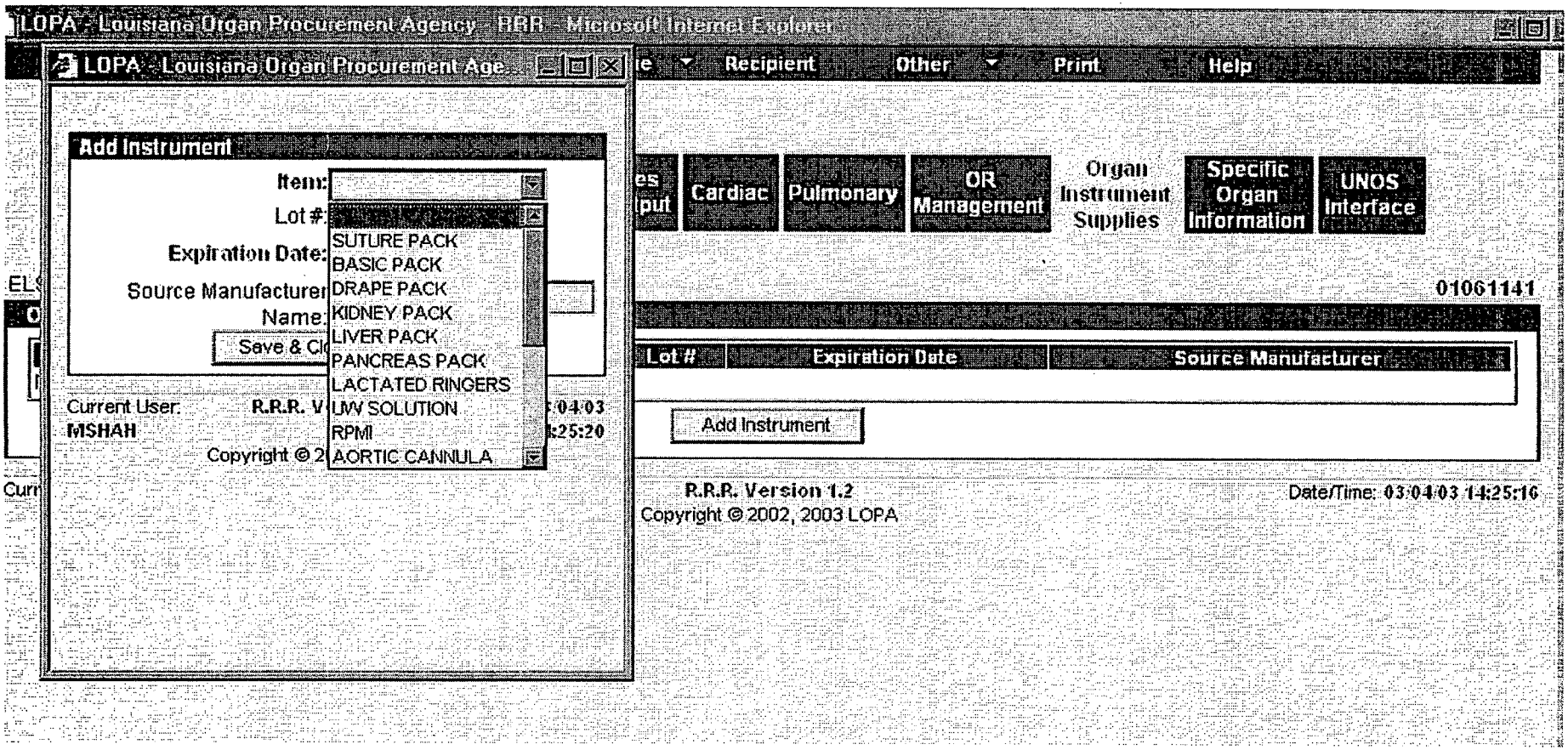


LOPA

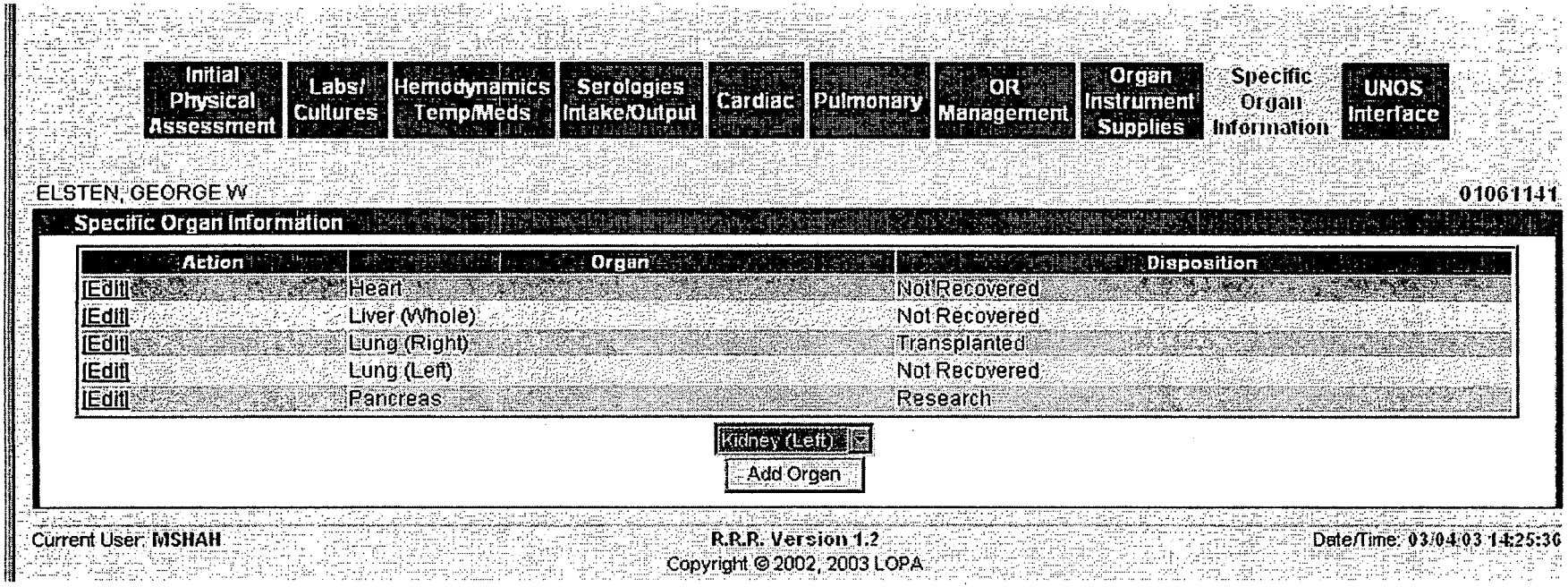
Organ: OR Management – Example Validation



Organ: Instrument Supplies

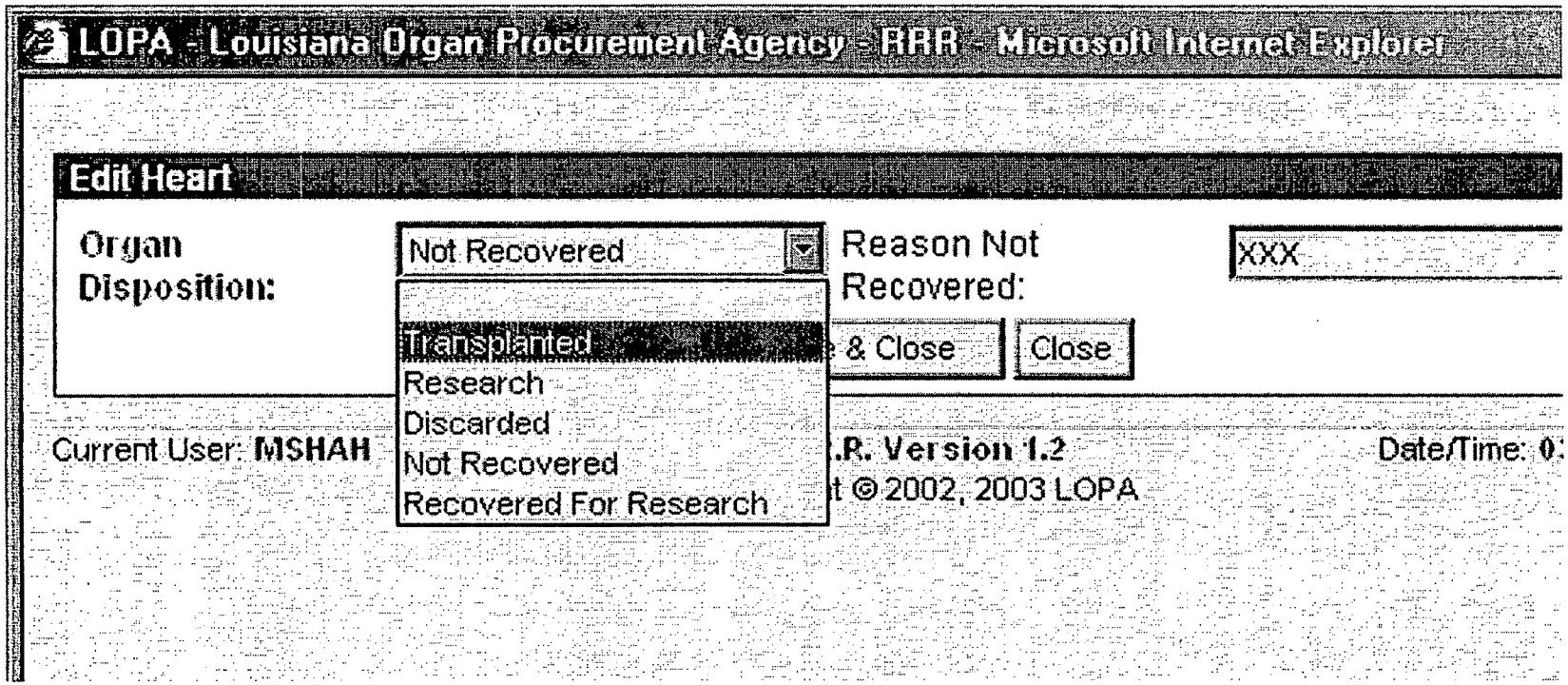


Organ: Specific Organ Information

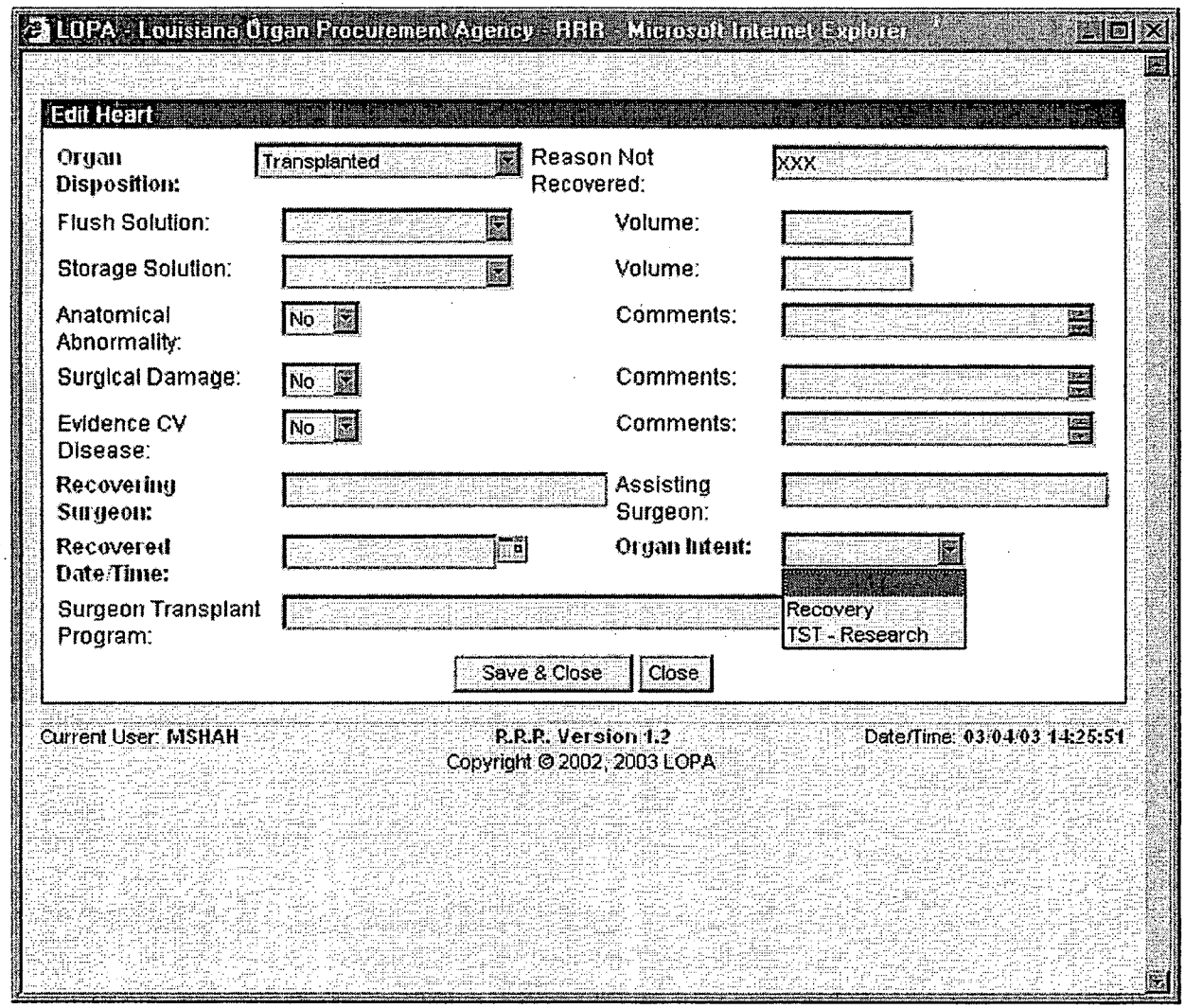


LOPA

Organ: Specific Organ- Heart

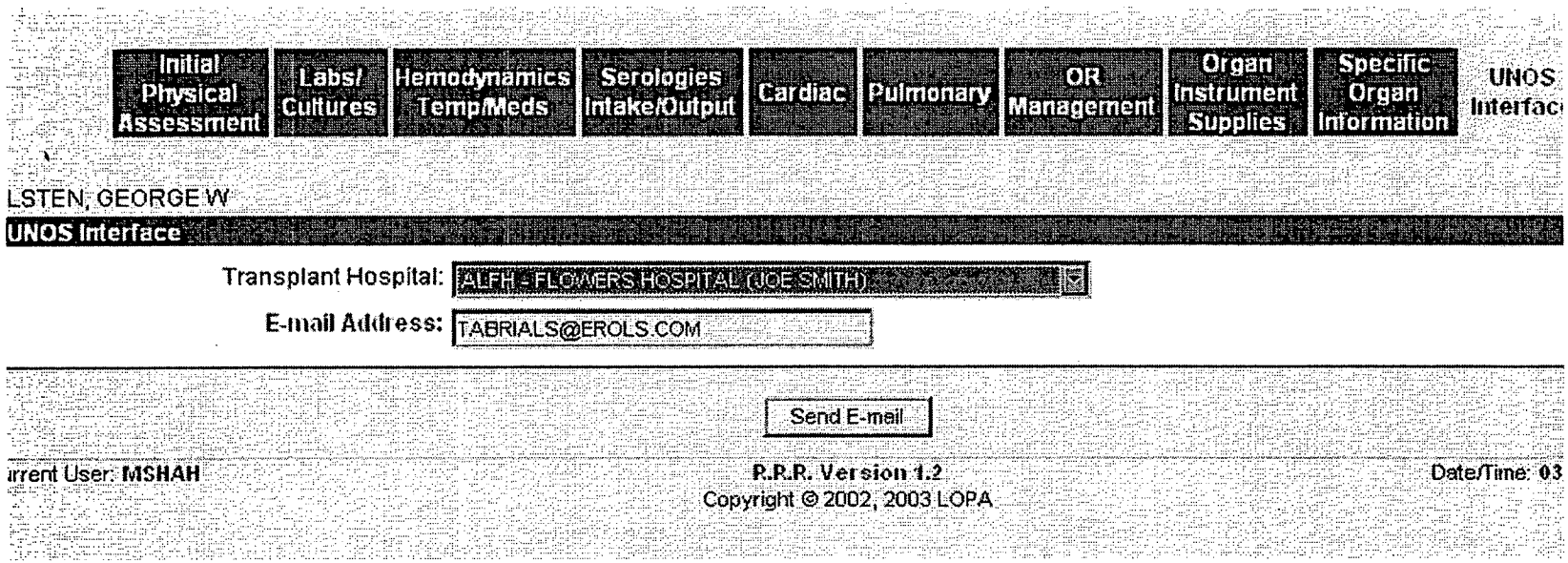


Organ: Specific Organ - Heart



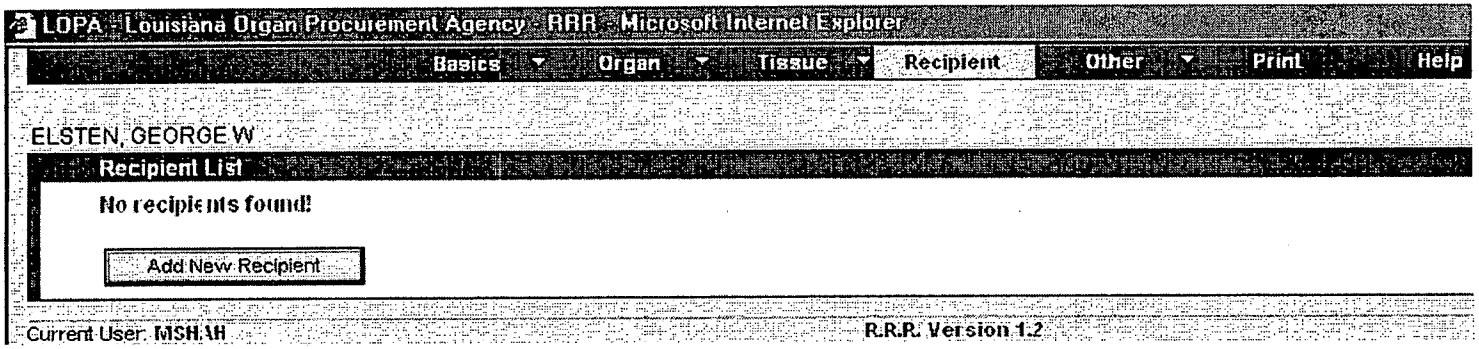
LOPA

Organ: Placement

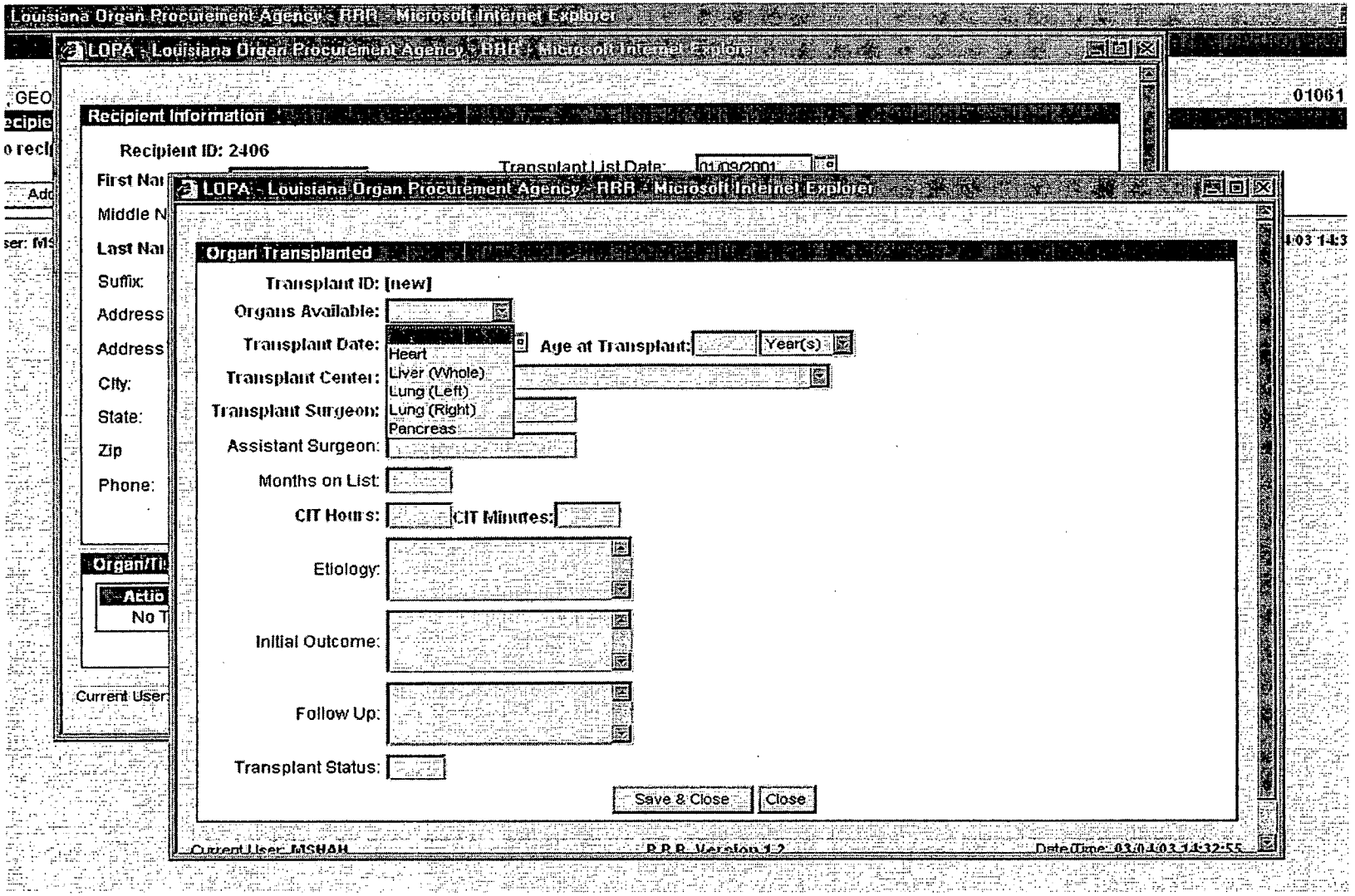


LOPA

Recipient Information

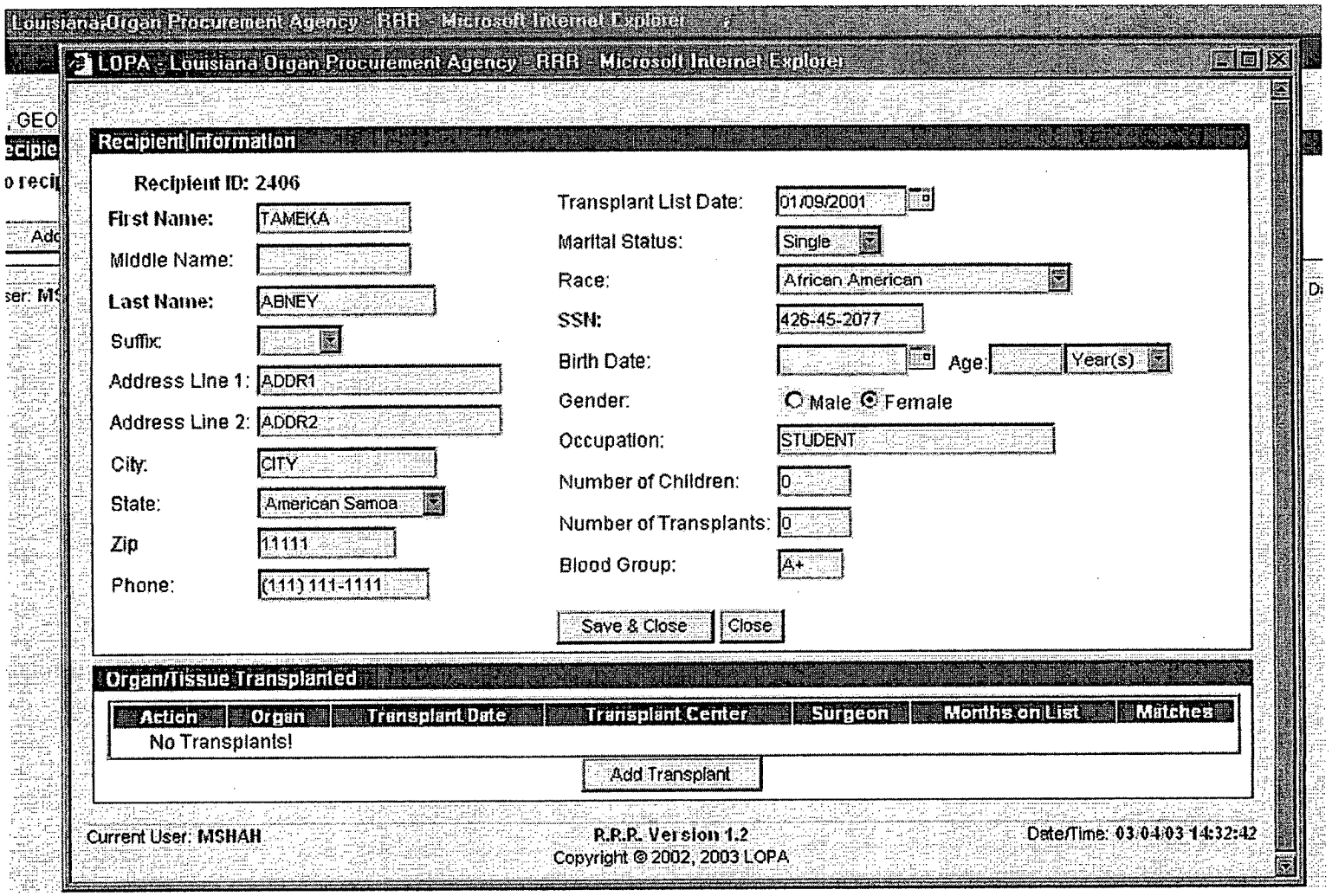


Recipient: Entering transplant information



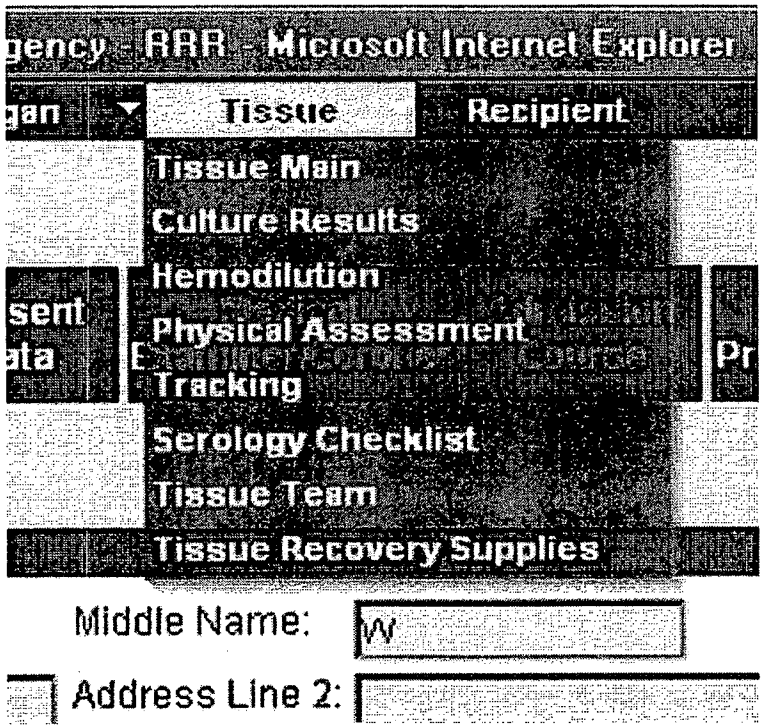
LOPA

Recipient: Edit Recipient



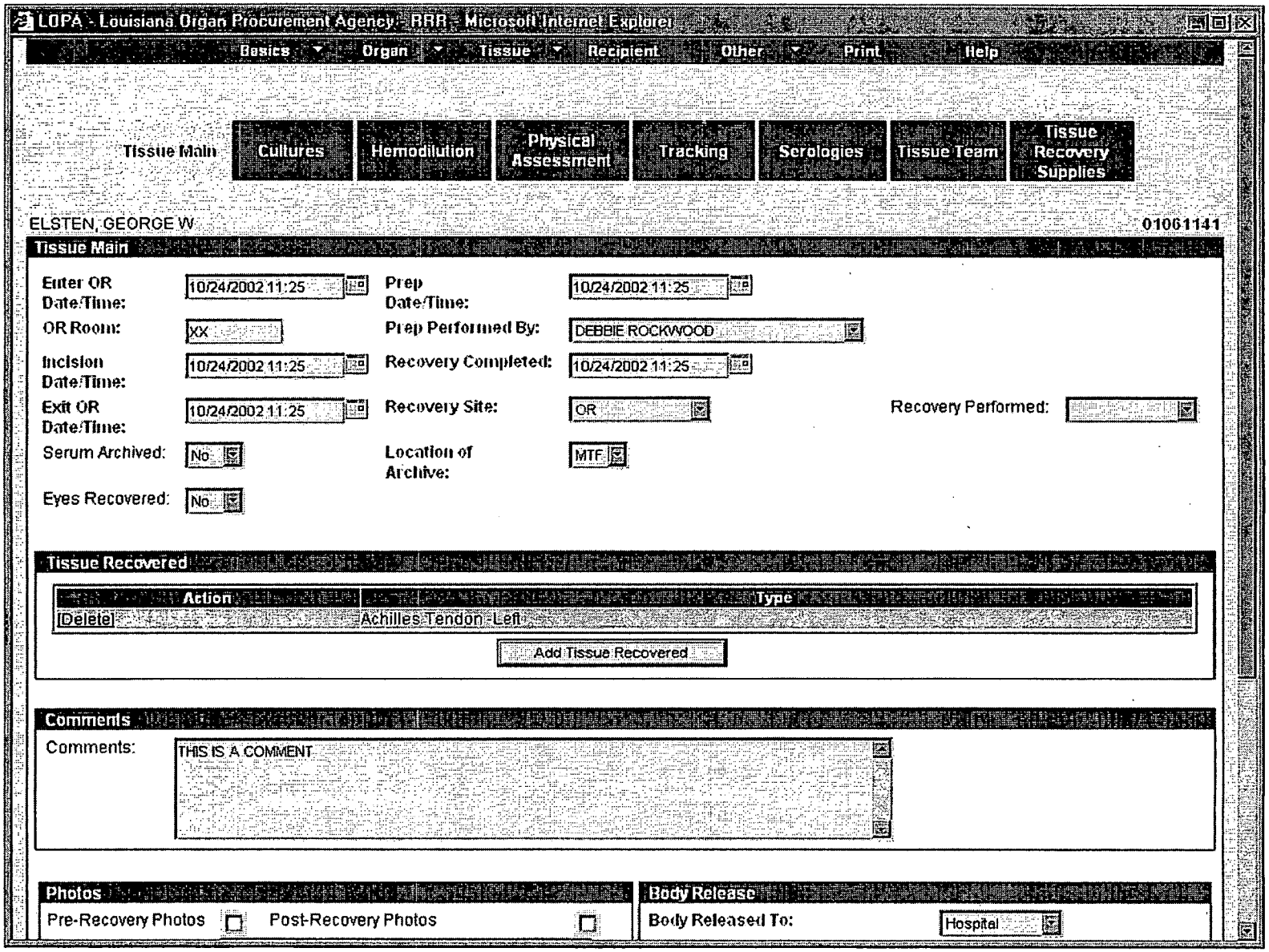
LOPA

Tissue Menu



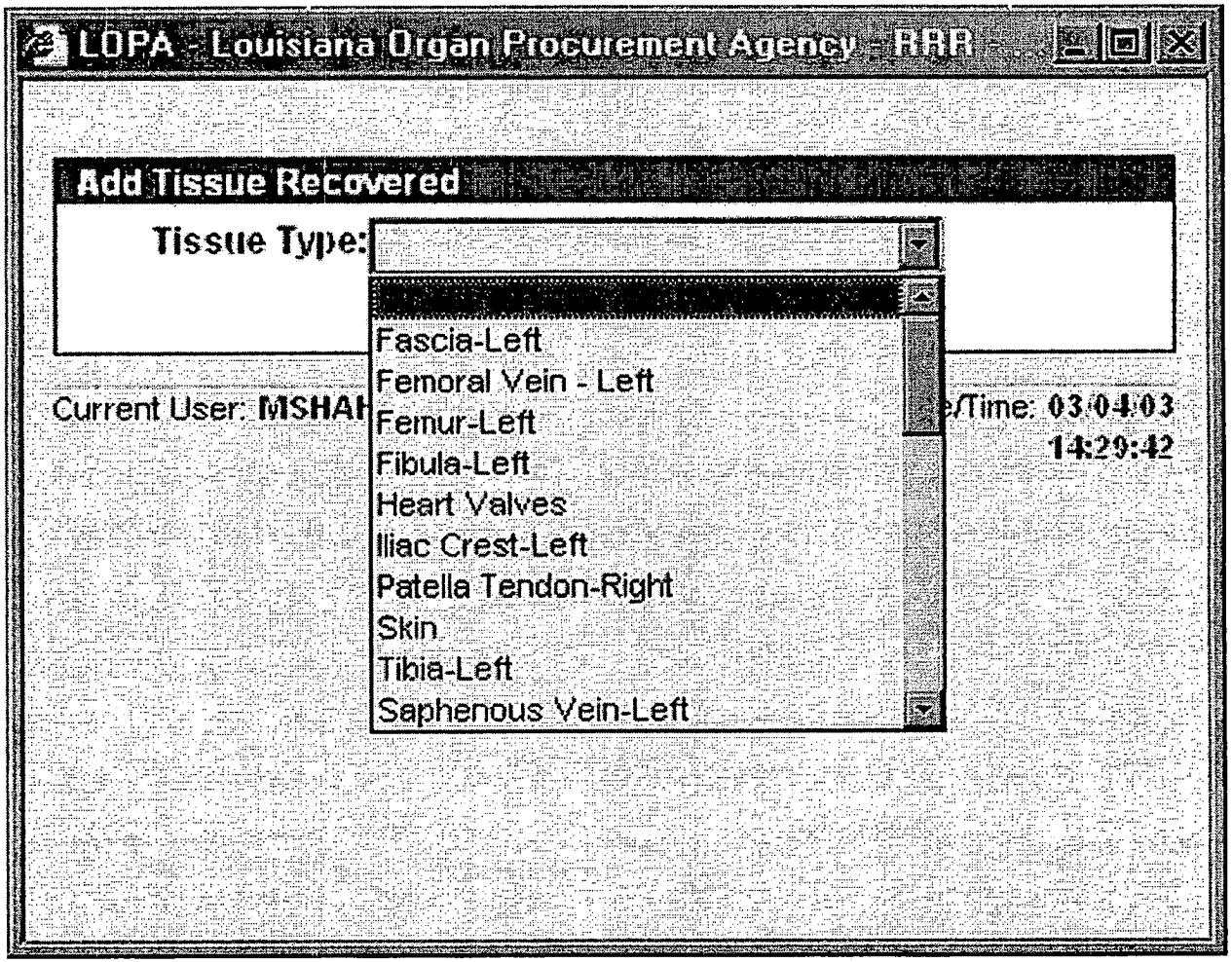
LOPA

Tissue: Tissue Main



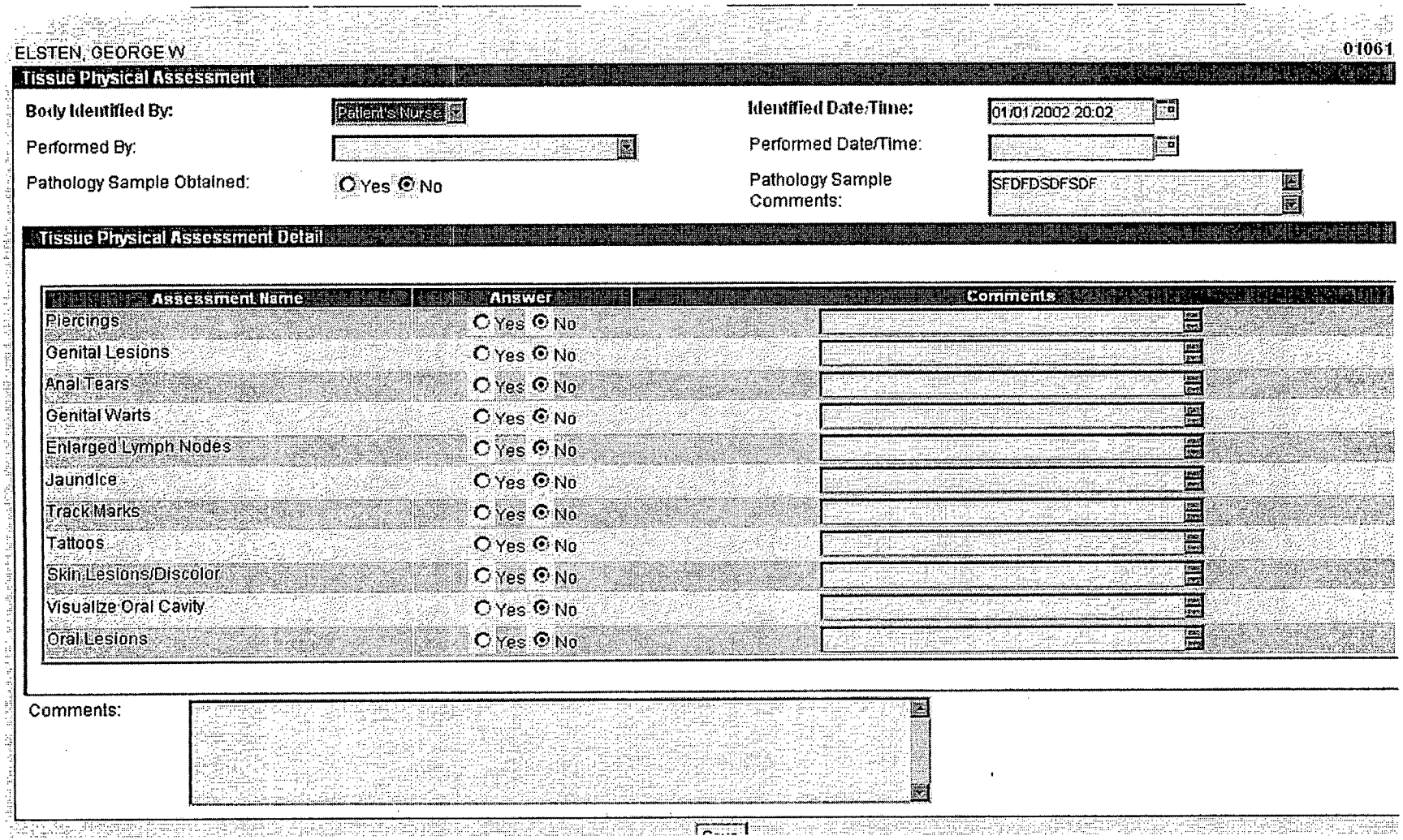
LOPA

Tissue: Add Tissue Recovered



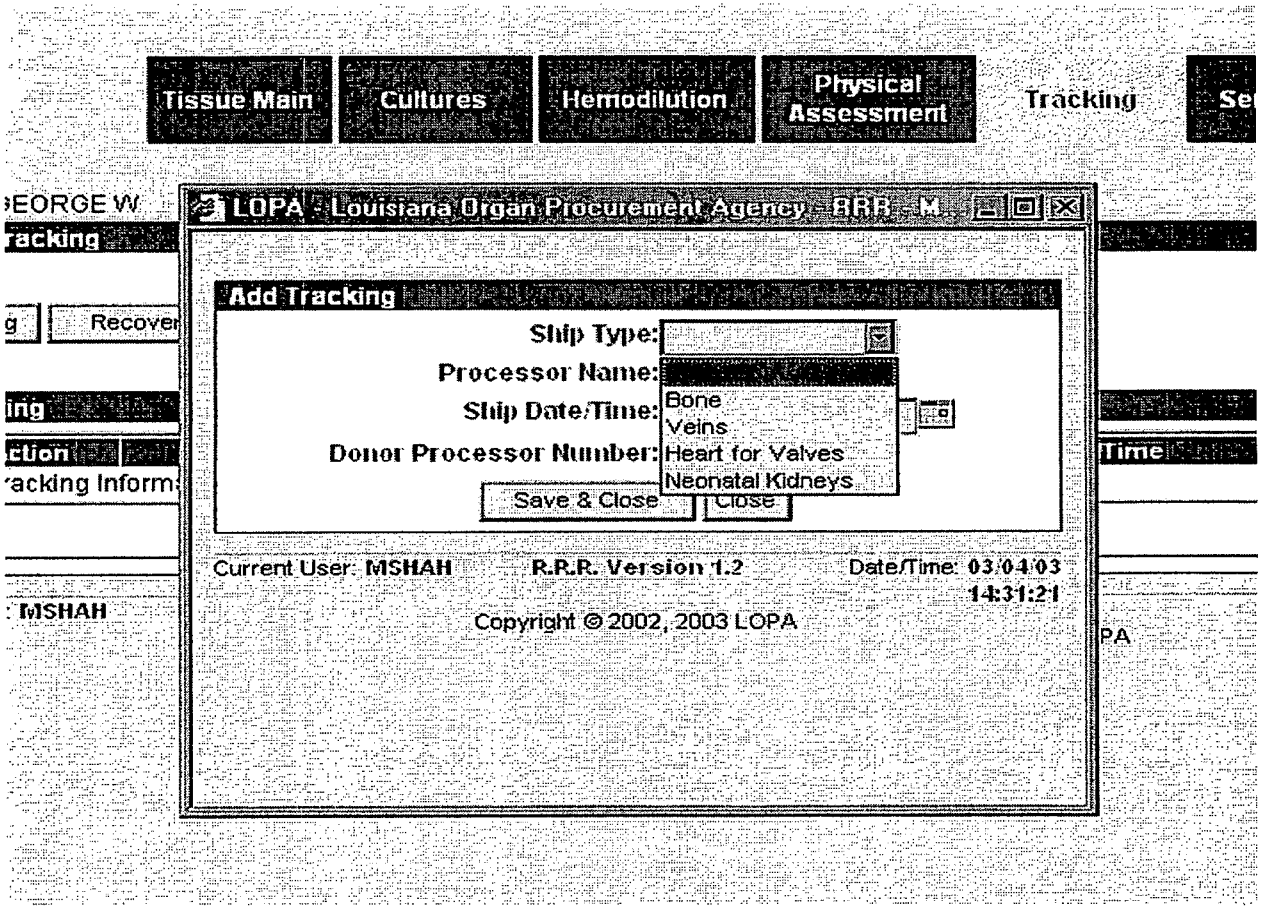
LOPA

Tissue: Physical Assessment

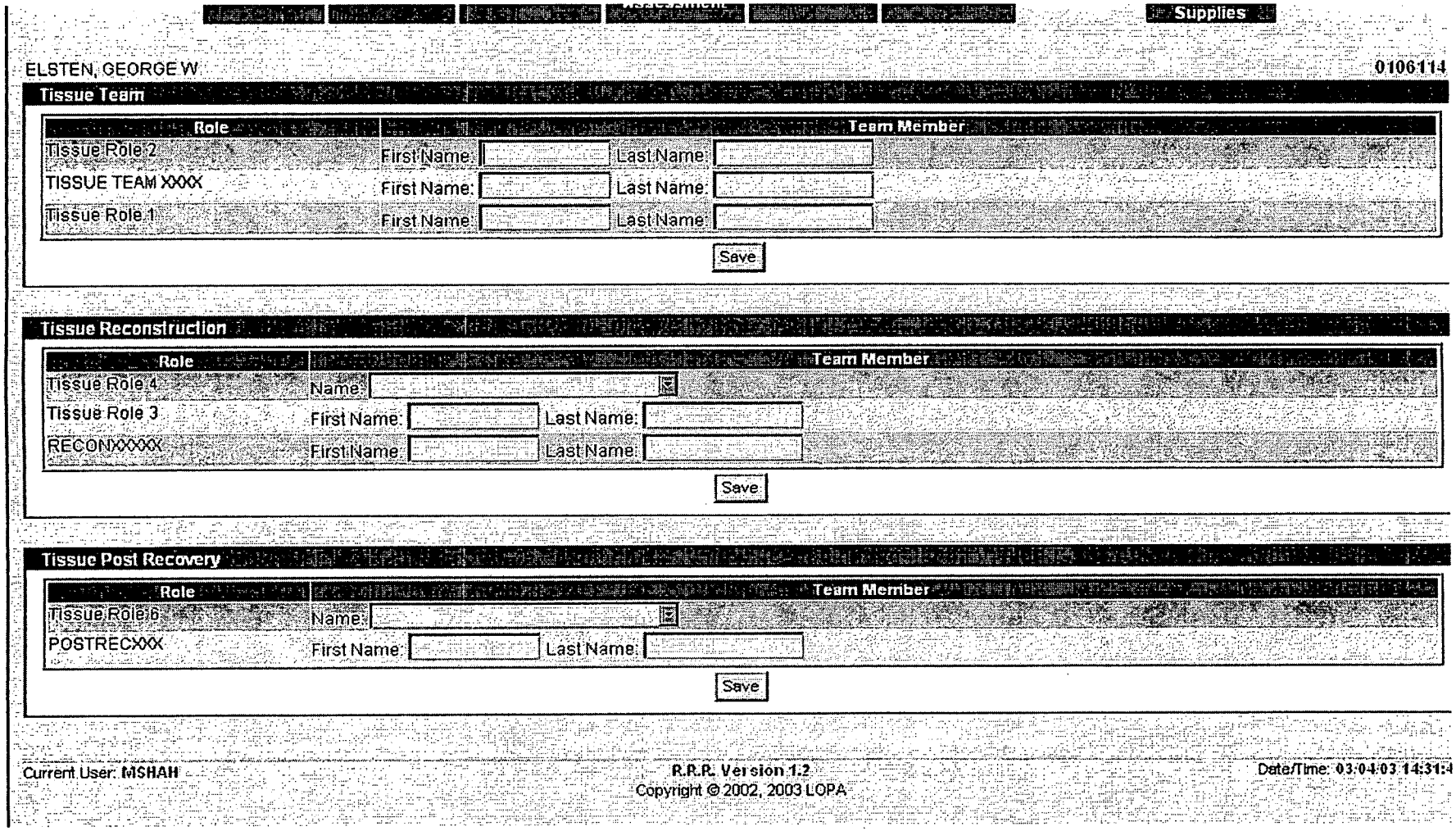


LOPA

Tissue: Tracking

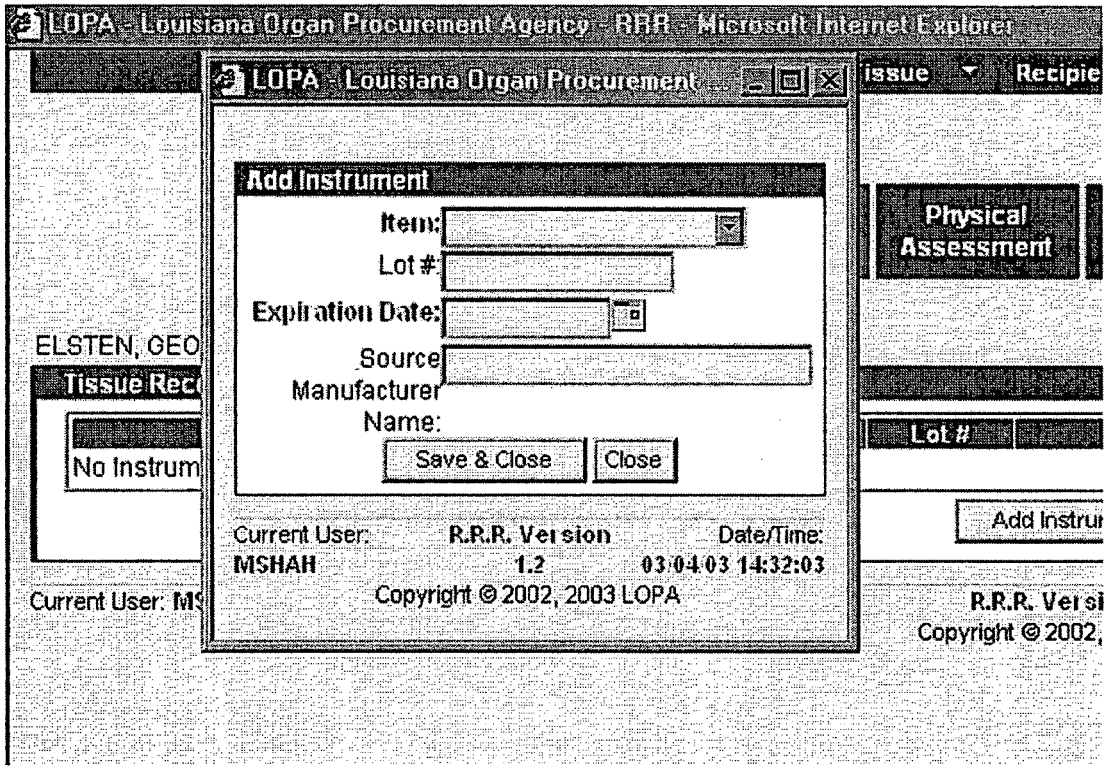


Tissue: Tissue Team

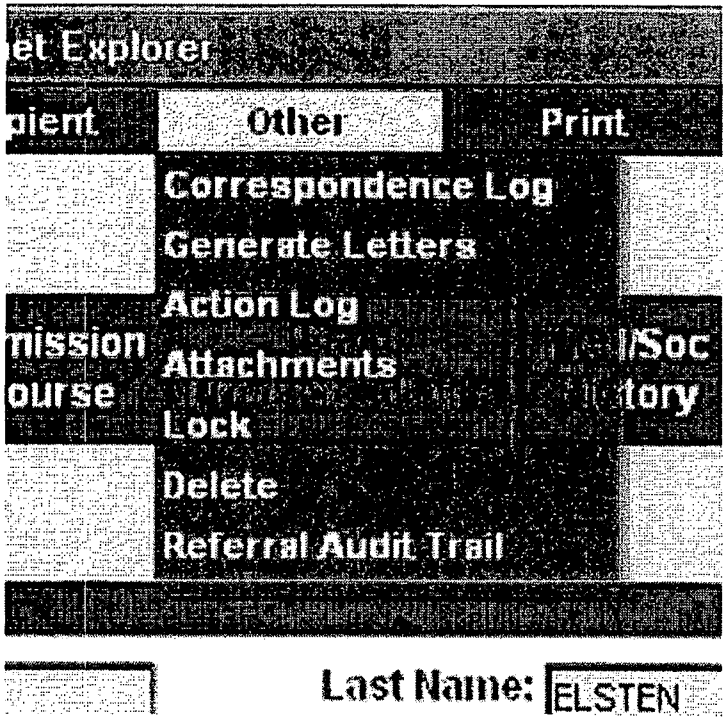


LOPA

Tissue: Tissue Recovery Supplies

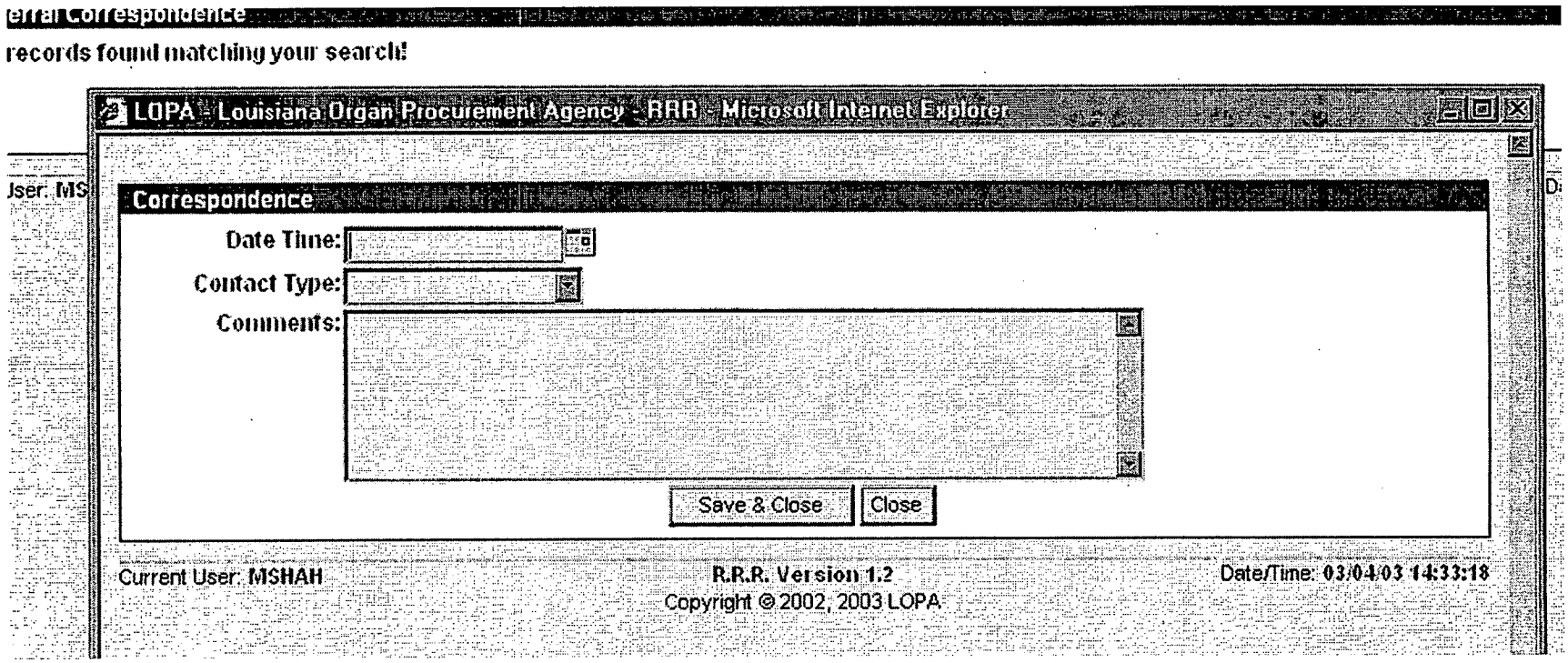


Referral Tools

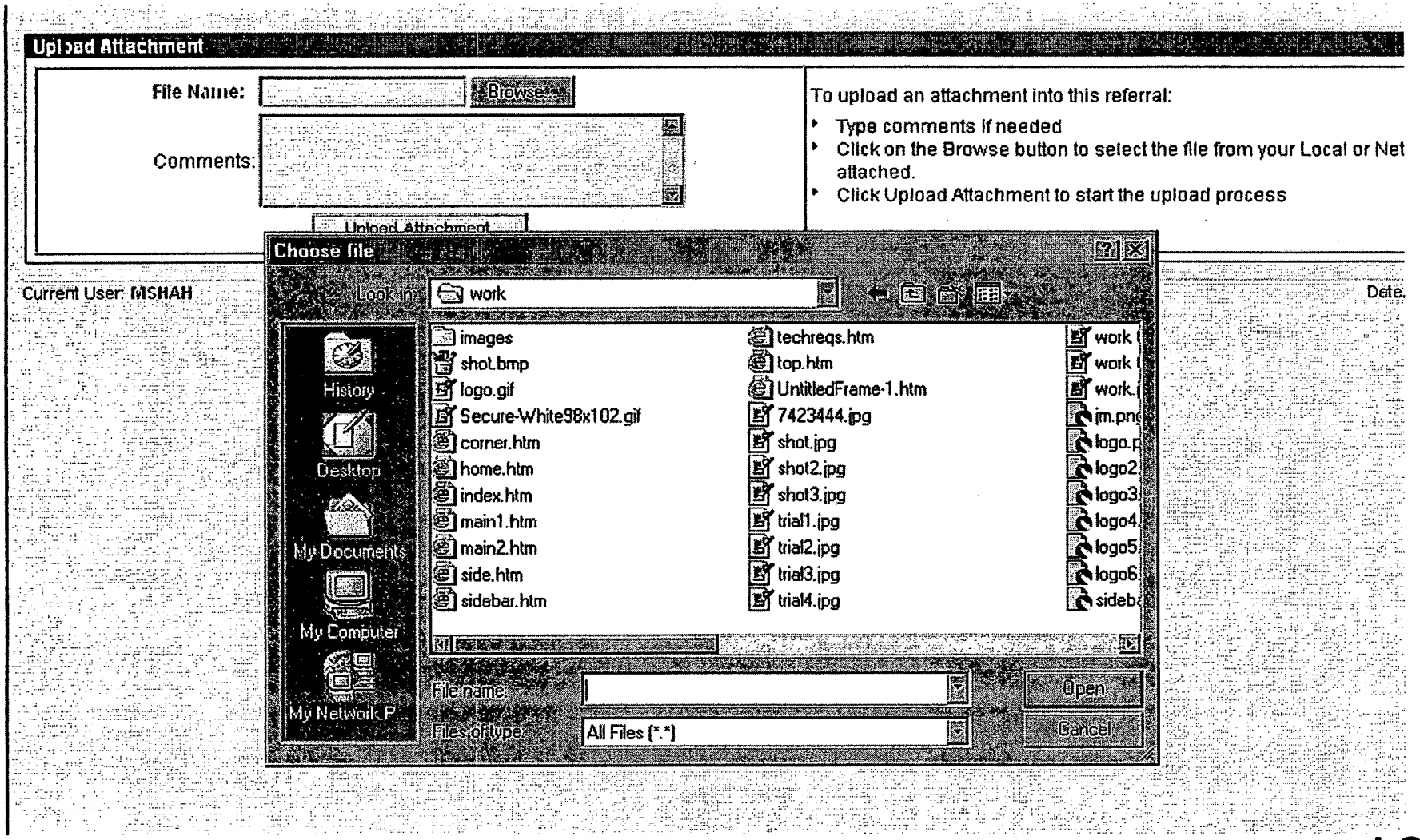


LOPA

Referral Tools: Correspondence

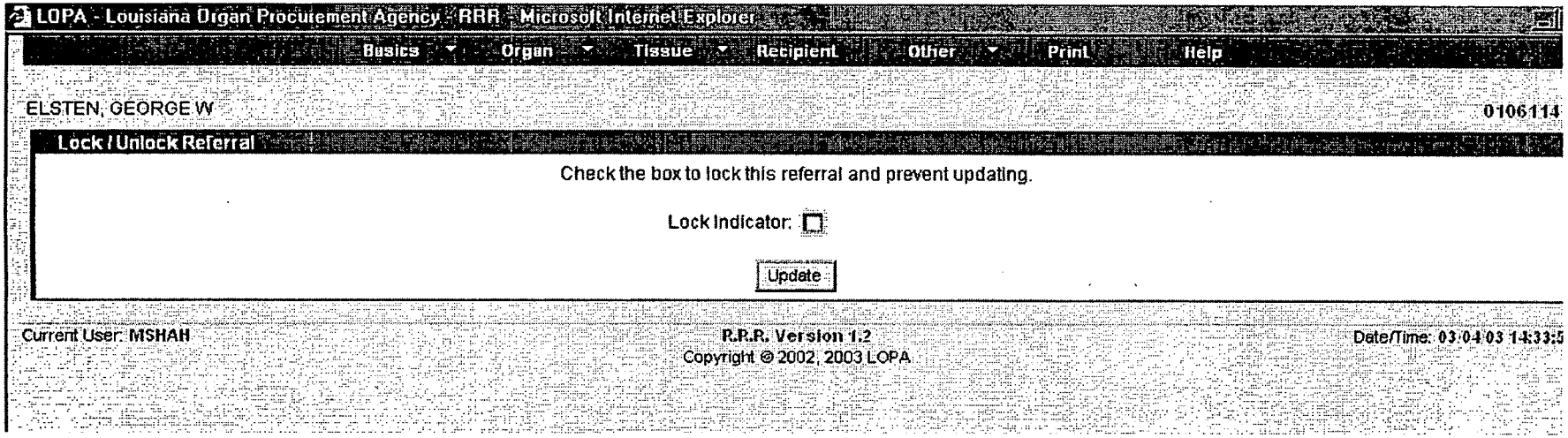


Referral Tools: Add Attachment



LOPA

Quality Assurance: Locking Records



Quality Assurance: Audit Trail

ELSTEN, GEORGE W

Audit Log

Action	Audit Date/Time	IP Address	User Name	Command
[Details(XML)]	10/22/2002 15:28:10 (Tue)	208.224.173.2	LANCE.WEITZEL	refbasic.viewMain
[Details(XML)]	10/22/2002 15:28:20 (Tue)	208.224.173.2	LANCE.WEITZEL	refmain.viewAudits
[Details(XML)]	10/23/2002 15:06:52 (Wed)	208.224.173.2	KEVIN.BARKER	refbasic.viewMain
[Details(XML)]	10/23/2002 15:49:34 (Wed)	208.224.173.2	KEVIN.BARKER	refbasic.viewMain
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[Details(XML)]	10/24/2002 10:28:23 (Thu)	208.224.173.2	KEVIN.BARKER	reftissue.viewSerology
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Quality Assurance: Audit Trail

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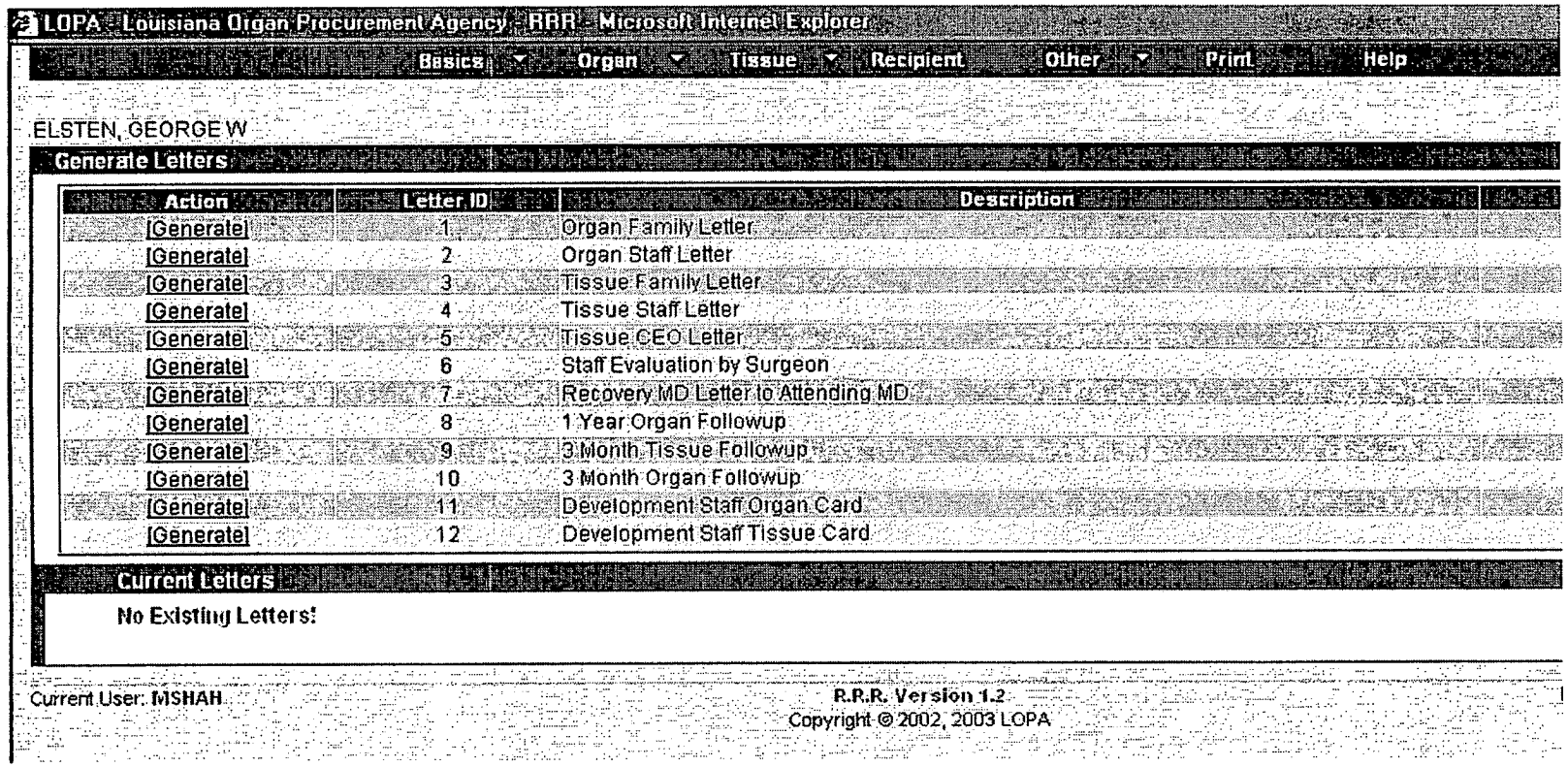
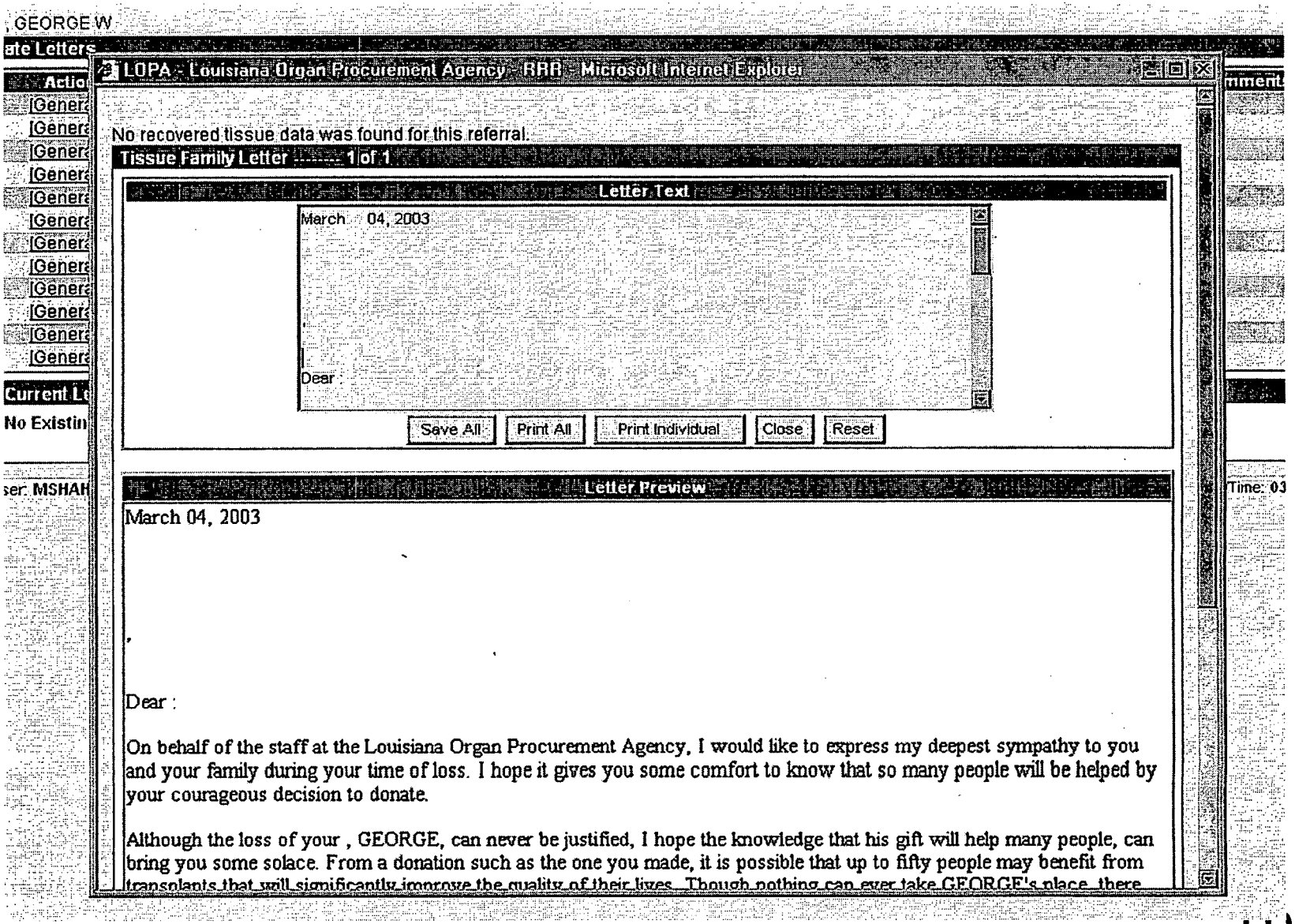
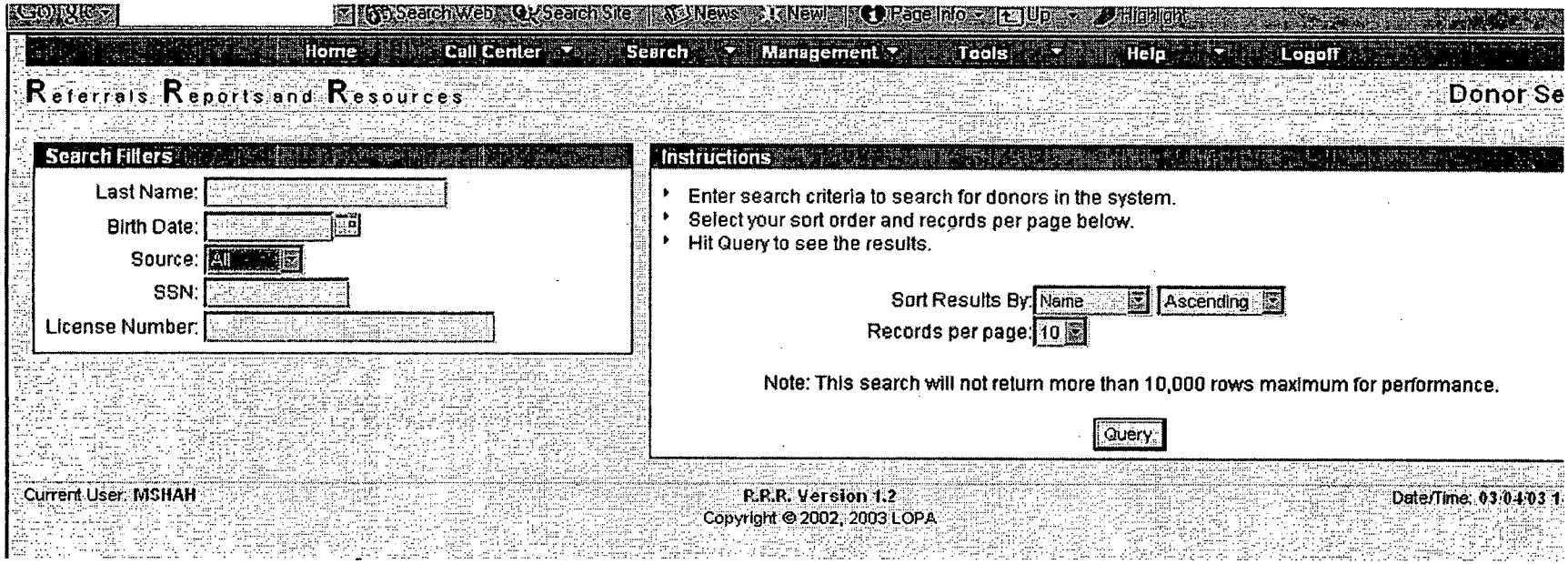
Referral Tools: Generate Letter



Other: Generate Letter



Registry Search



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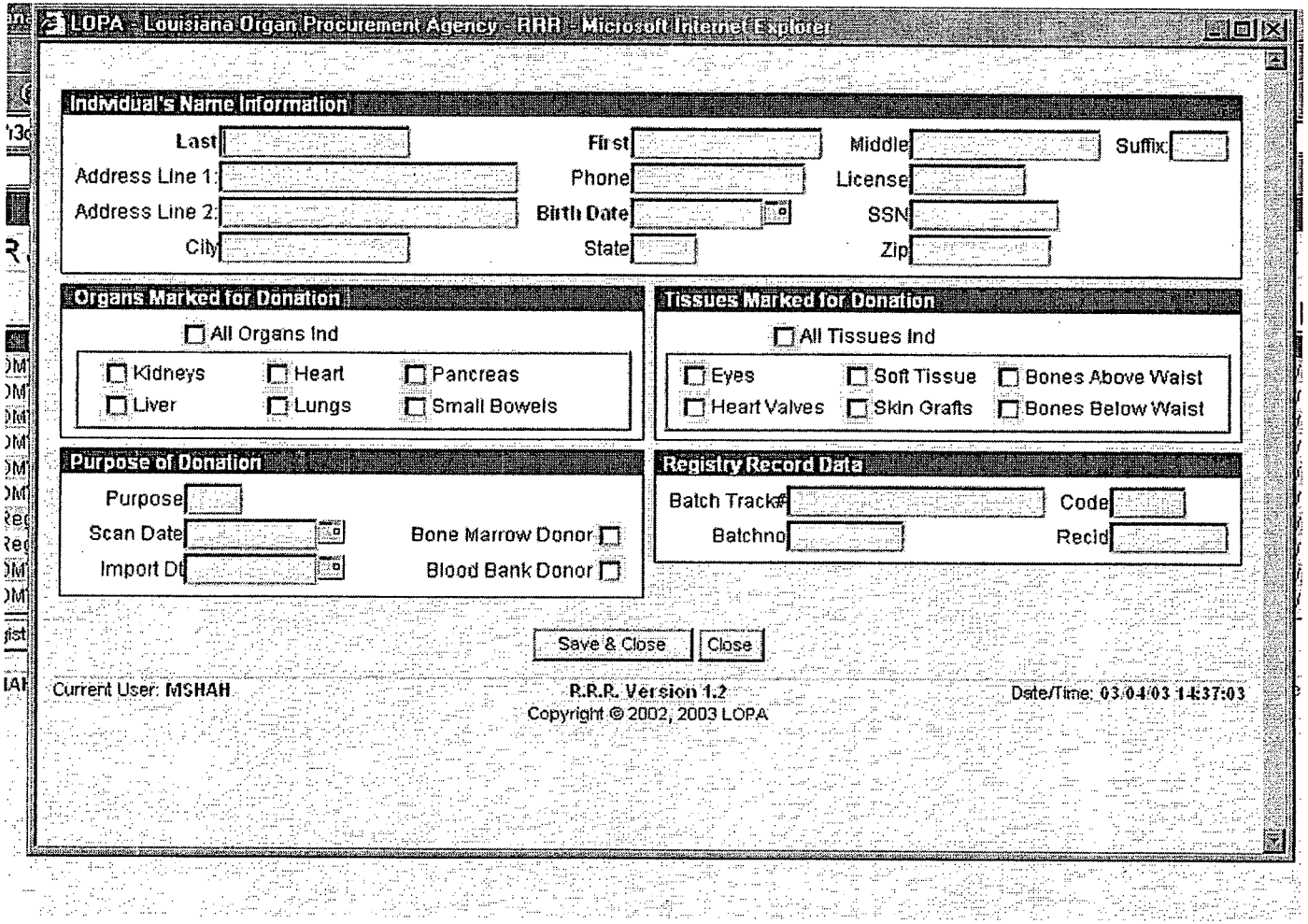
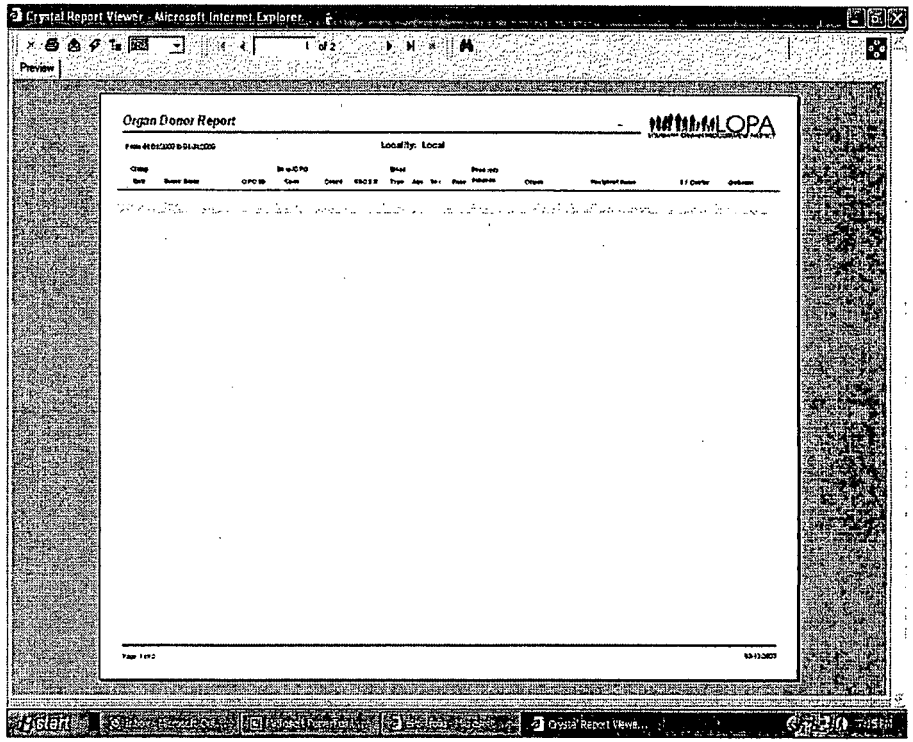
Add Registry Records



LOPA

Basic Reports

- Monthly Referral Report
- Organ Donor Report
- Tissue Donor Report
- Call Center Report
- Death Record Review Report



Clinical Forms

- Organ Donor Form
  - Based off the AOPO Organ Donor Form
  - Recipient Information Form
- Tissue Donor Form

For More Information

- www.johnstonmclamb.com/r3
- Email: R3@johnstonmclamb.com
- Materials available:
  - Demo site
  - Hardware specifications

Questions?

Thank You!

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Referrals, Reports and Resources:

A Database Application for OPOs

Presented by:
Kelly Ranum, RN, CPTC
Transplant Festival
March 28, 2003

LOPA

Overview

- Call Center.
- Referral, Recipient and Donor medical record management.
- UNOS Interface and Placement management.
- Donor Registry and DMV Interface.
- Management modules include system security, human resources, hospital database, and lookup tables.
- Quality Assurance including audit trails.
- Customizable Crystal Reporting system.

System Software

- Oracle database platform.
- Entirely web-browser based.
- Written in PLSQL, HTML, Crystal and Java Script allowing for a wide variety of software contractors to work on system.
- No downloads or installations to operate.
- Runs just like a website.

Design

- System was conceived by a coordinator and Director of Recovery.
- LOPA has expended considerable resources over the past three years in development.
- Design provides for total management of the donation process and the OPO.
- New modules are relatively easy to add - presently designing staff scheduling, UNET, hospital development and quality assurance.

Call Center

- Provides a system for non-OPO personnel to take referral calls and initiate the donation process.
- Automates function of determining tissue and eye rule outs. Provides for rapid information flow to coordinators on organ eligible referrals.
- Call Center feeds data into the main R^3 database for use with the donation and referral process.
- Designed to function in a streamlined fashion predominantly using keystrokes and tabs.
- Also functions as message system and log.

Data Management

- Provides for complete control and management of referral, donor and recipient records.
- Coordinators and technicians can begin and complete paperwork in the field.
- Data may be updated from any location with Internet access.
- Electronic records can be reviewed by Transplant Centers.
- Maintains contact and contract information for all hospitals, transplant centers, eye banks, etc.
- Provides complete QA trail for each record.

Security and Management

- Provides a system for 'top down' management of security and access.
- Levels of access are fully controlled and designed by system administrator.
- All security settings and look up table values are controlled and managed by the system administrator.
- ED 'panic button' locks down system.
- Oracle® is famous for rock solid security - no security holes or patches.

Other Features

- Letters to donor families, hospital staff, etc. are automatically generated.
- Ability to add attachments to records.
- Correspondence Log for Family Services communication.

Reporting

- Use either Crystal Enterprise® reporting system or basic Crystal Reports.
- Basic reports come with the package.
- System can provide any number of set reports and provides a system for simple development of customizable reports.
- Crystal is recognized as the leading report software company in the world.

Quality Assurance

- System provides a full record of each entry to a file including time, date and user.
- Designed to comply with the requirements of both HIPAA and FDA (part 11).
- Rule out criteria is managed by system administrator to accommodate specific tissue agencies and eye banks.
- Provides for locking of records once QA accepted.

Advantages

- Scalable system allows for easy addition of modules and growth of users and data.
- Can be customized by the OPO to meet specific needs.

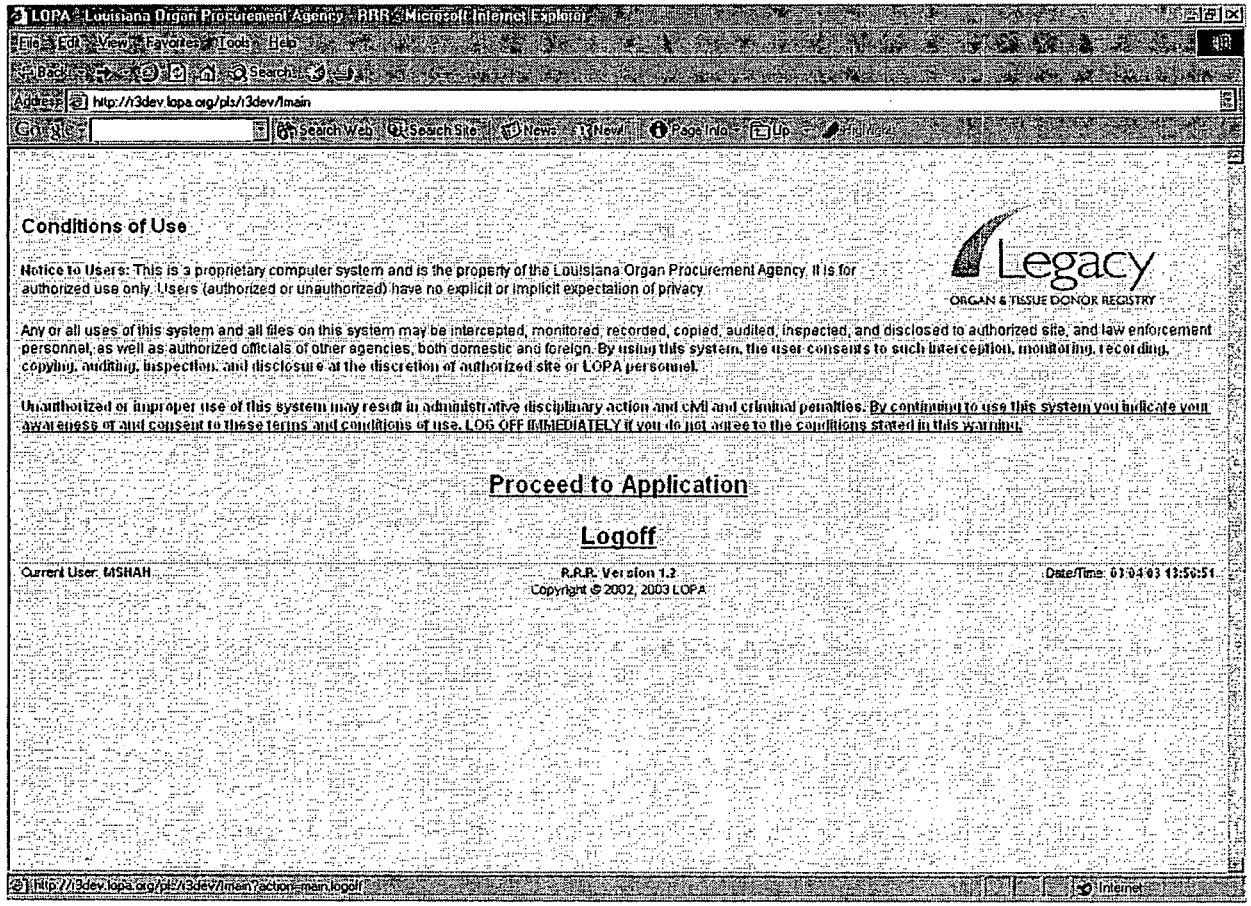
Options

- Available as a stand alone customizable application to run on independent server systems.
- Potentially a hosted solution (shared cost of software design, Oracle® and Crystal® licensing). This still allows for customization of look and feel and look up tables while providing a completely separate database for each OPO.

Secure Communications

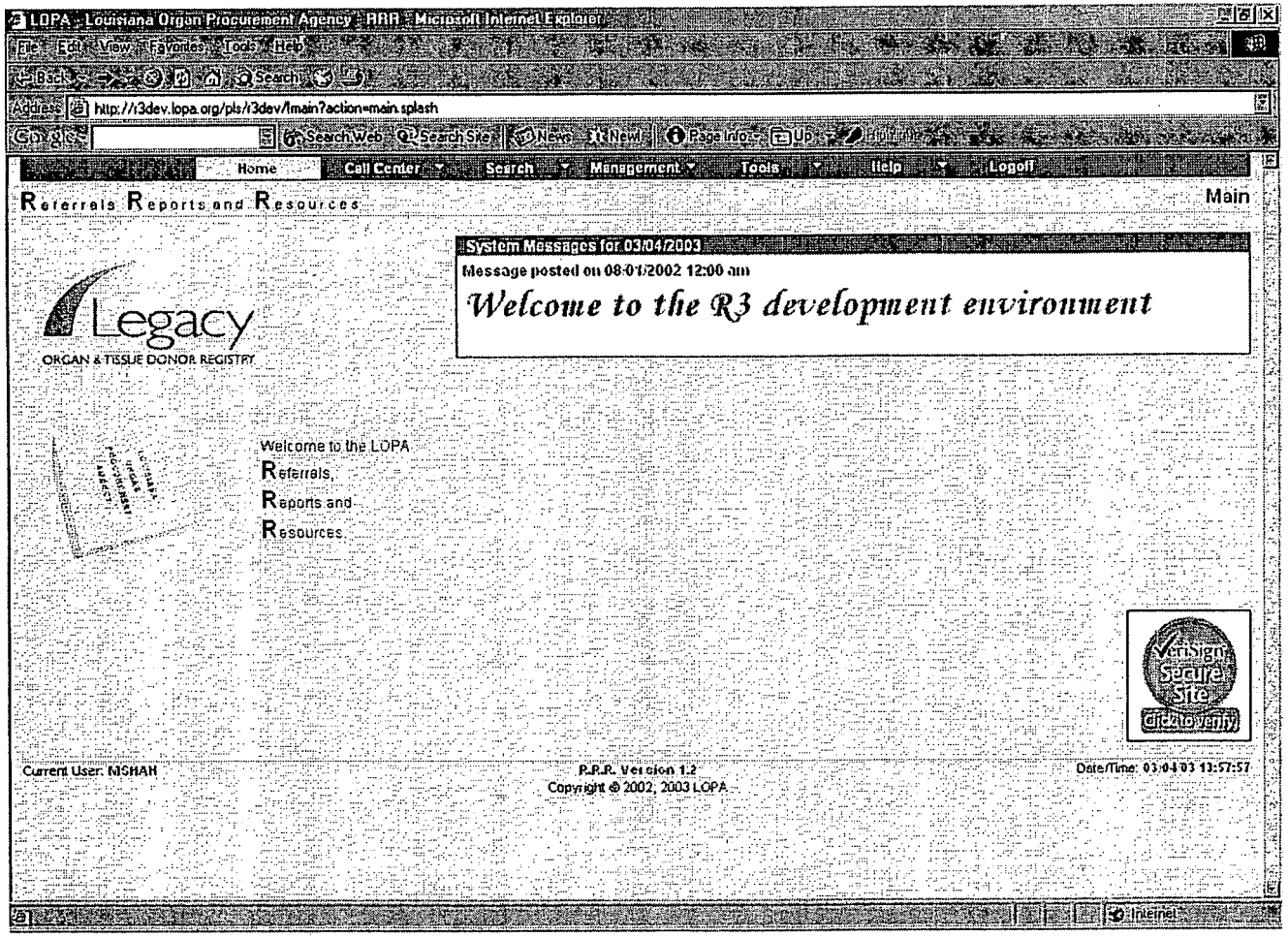
LOPA

Initial Logon Screen



LOPA

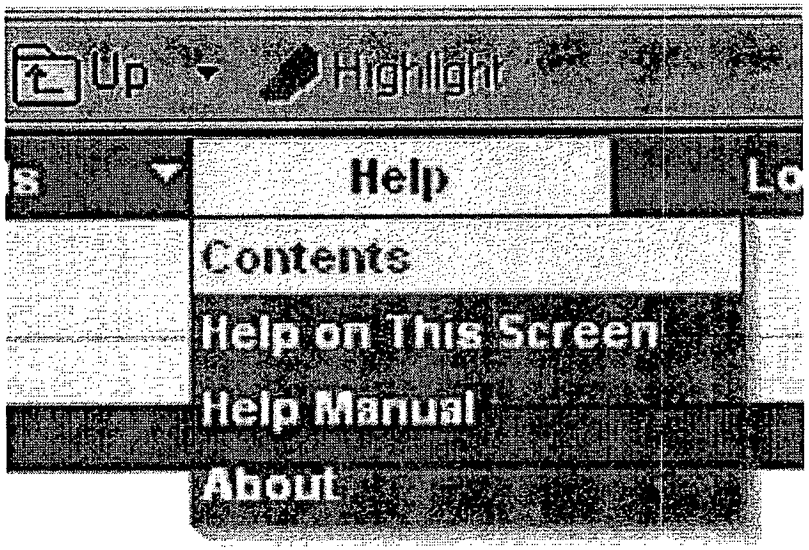
Main Menu


LOPA - Louisiana Organ Procurement Agency - RRR - Microsoft Internet Explorer
Address http://r3dev.lopa.org/pls/r3dev/!main?action=main.splash
Home
Call Center
Search
Management
Tools
Help
Logoff
Referrals Reports and Resources
Main
System Messages for 03/04/2003
Message posted on 08/01/2002 12:00 am
Welcome to the R3 development environment
Legacy
ORGAN & TISSUE DONOR REGISTRY
Welcome to the LOPA
Referrals
Reports and
Resources
VeriSign Secure Site
Current User: MSHAH
P.R.R. Version 1.2
Copyright © 2002, 2003 LOPA
Date/Time: 03/04/03 13:57:57
Internet

Tools Menu

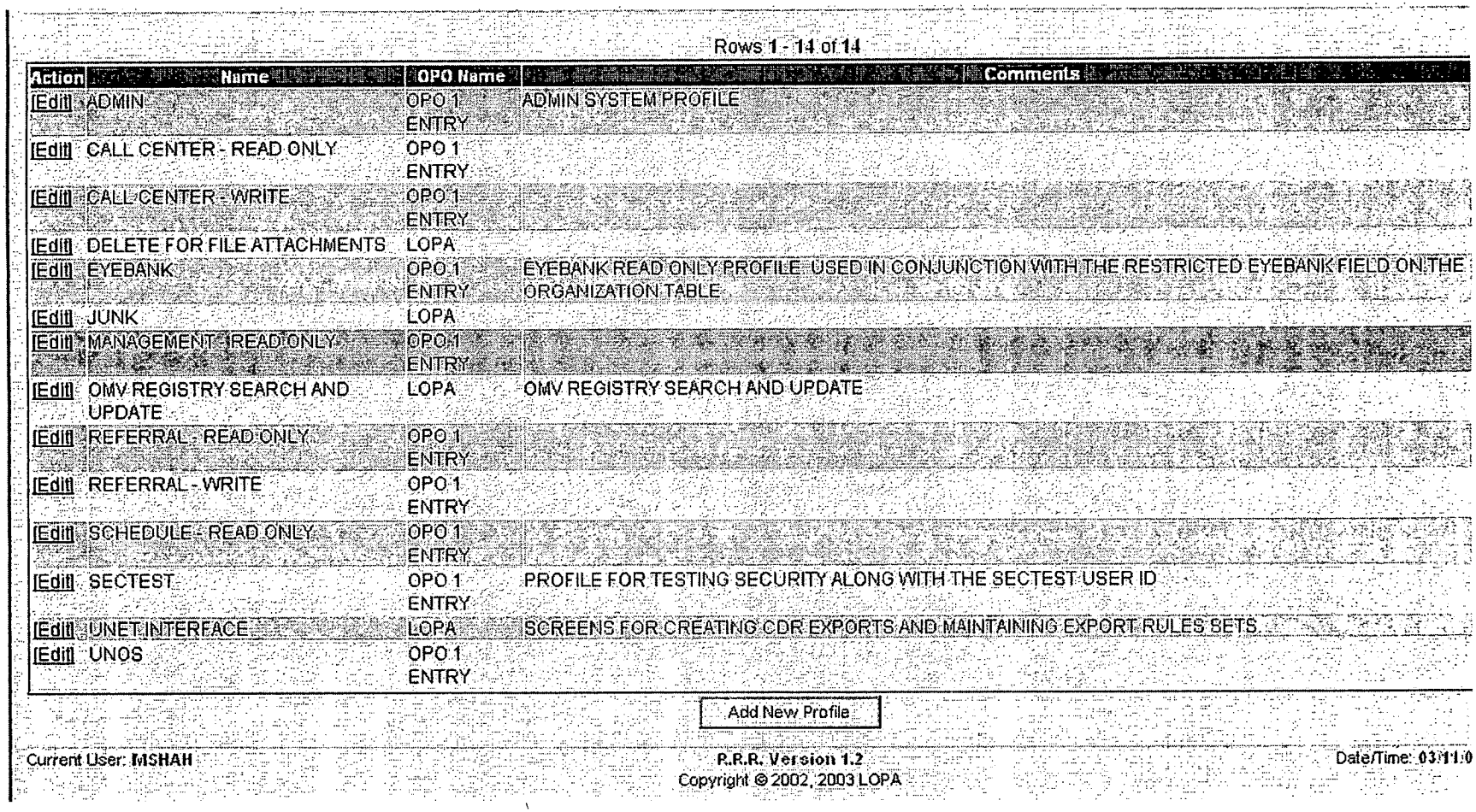
LOPA

Help Menu



LOPA

Management: Security Profiles



Rows 1 - 14 of 14

Action	Name	OPO Name	Comments
[Edit]	ADMIN	OPO 1 ENTRY	ADMIN SYSTEM PROFILE
[Edit]	CALL CENTER - READ ONLY	OPO 1 ENTRY	
[Edit]	CALL CENTER - WRITE	OPO 1 ENTRY	
[Edit]	DELETE FOR FILE ATTACHMENTS	LOPA	
[Edit]	EYEBANK	OPO 1 ENTRY	EYEBANK READ ONLY PROFILE USED IN CONJUNCTION WITH THE RESTRICTED EYEBANK FIELD ON THE ORGANIZATION TABLE
[Edit]	JUNK	LOPA	
[Edit]	MANAGEMENT - READ ONLY	OPO 1 ENTRY	
[Edit]	OMV REGISTRY SEARCH AND UPDATE	LOPA	OMV REGISTRY SEARCH AND UPDATE
[Edit]	REFERRAL - READ ONLY	OPO 1 ENTRY	
[Edit]	REFERRAL - WRITE	OPO 1 ENTRY	
[Edit]	SCHEDULE - READ ONLY	OPO 1 ENTRY	
[Edit]	SECTEST	OPO 1 ENTRY	PROFILE FOR TESTING SECURITY ALONG WITH THE SECTEST USER ID
[Edit]	UNET INTERFACE	LOPA	SCREENS FOR CREATING CDR EXPORTS AND MAINTAINING EXPORT RULES SETS
[Edit]	UNOS	OPO 1 ENTRY	

Add New Profile

Current User: MSHAH

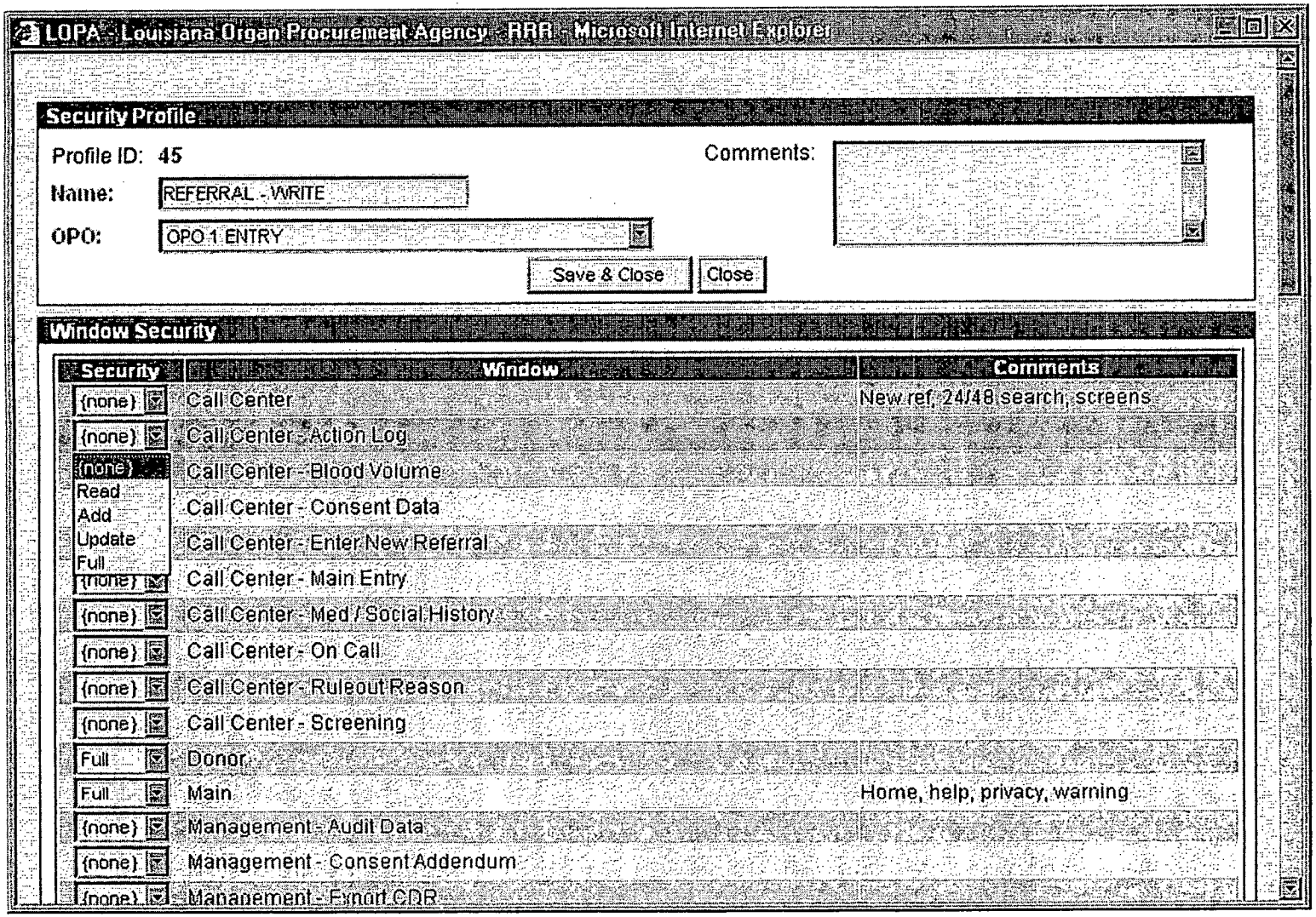
P.R.R. Version 1.2

Copyright © 2002, 2003 LOPA

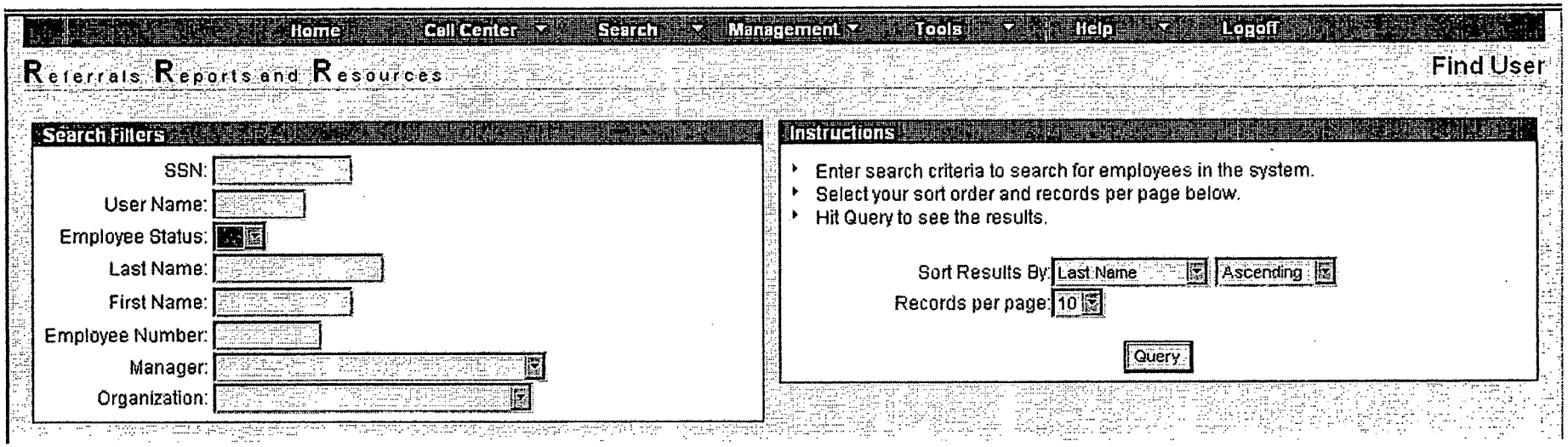
Date/Time: 03/11/0

LOPA

Management: Security Profiles – Edit Profile



Management: Users



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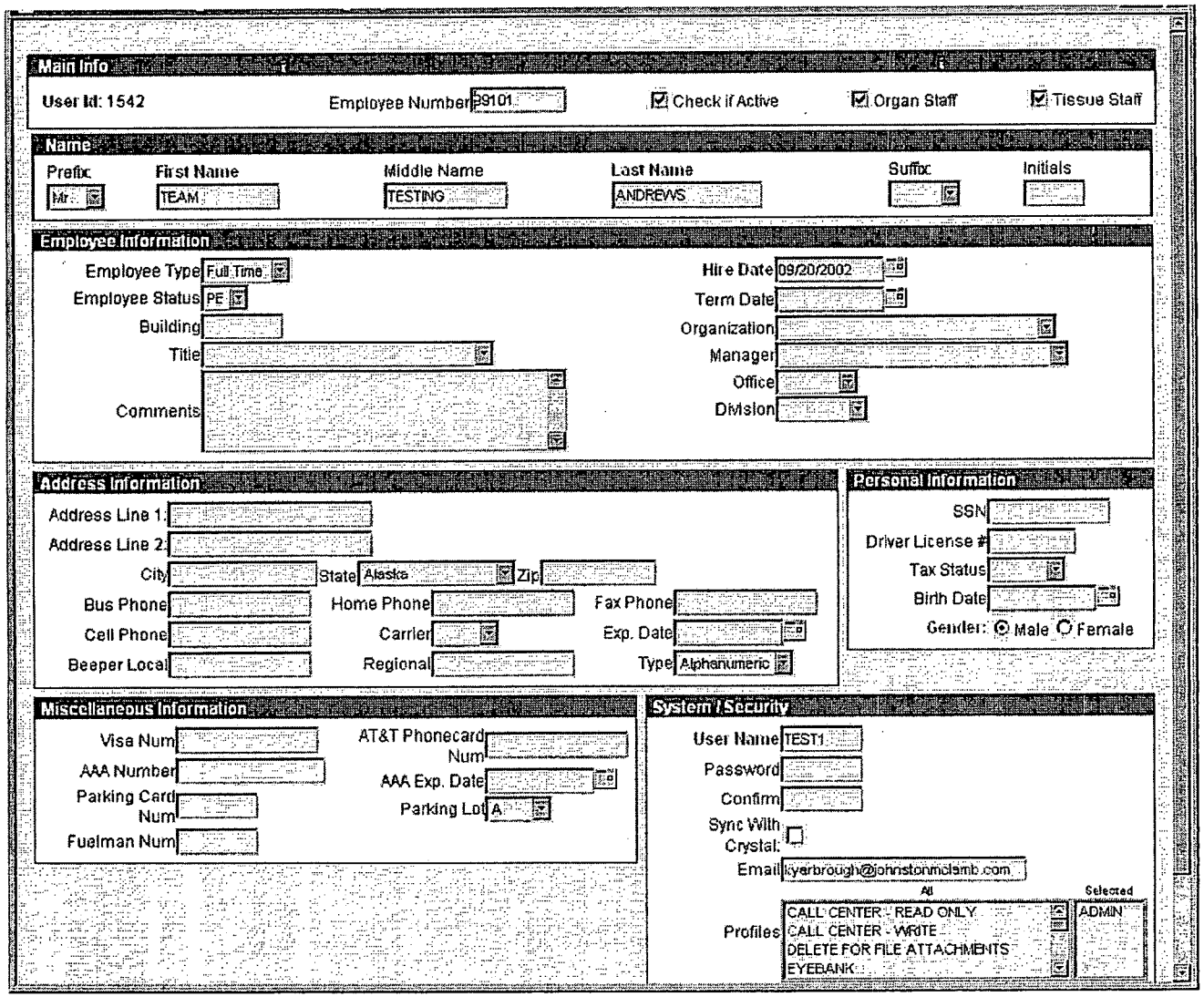
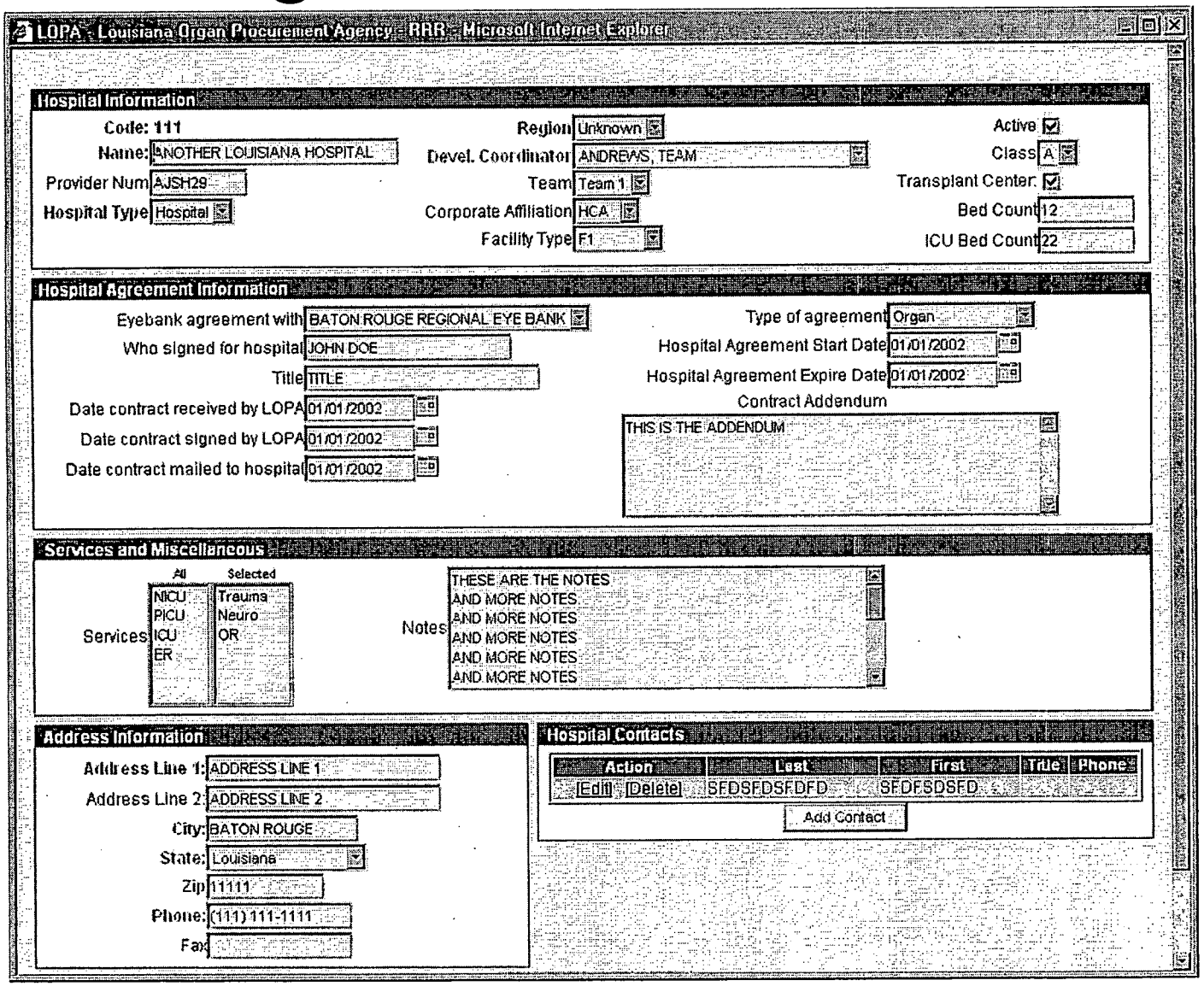
Management: Users – Add/Edit



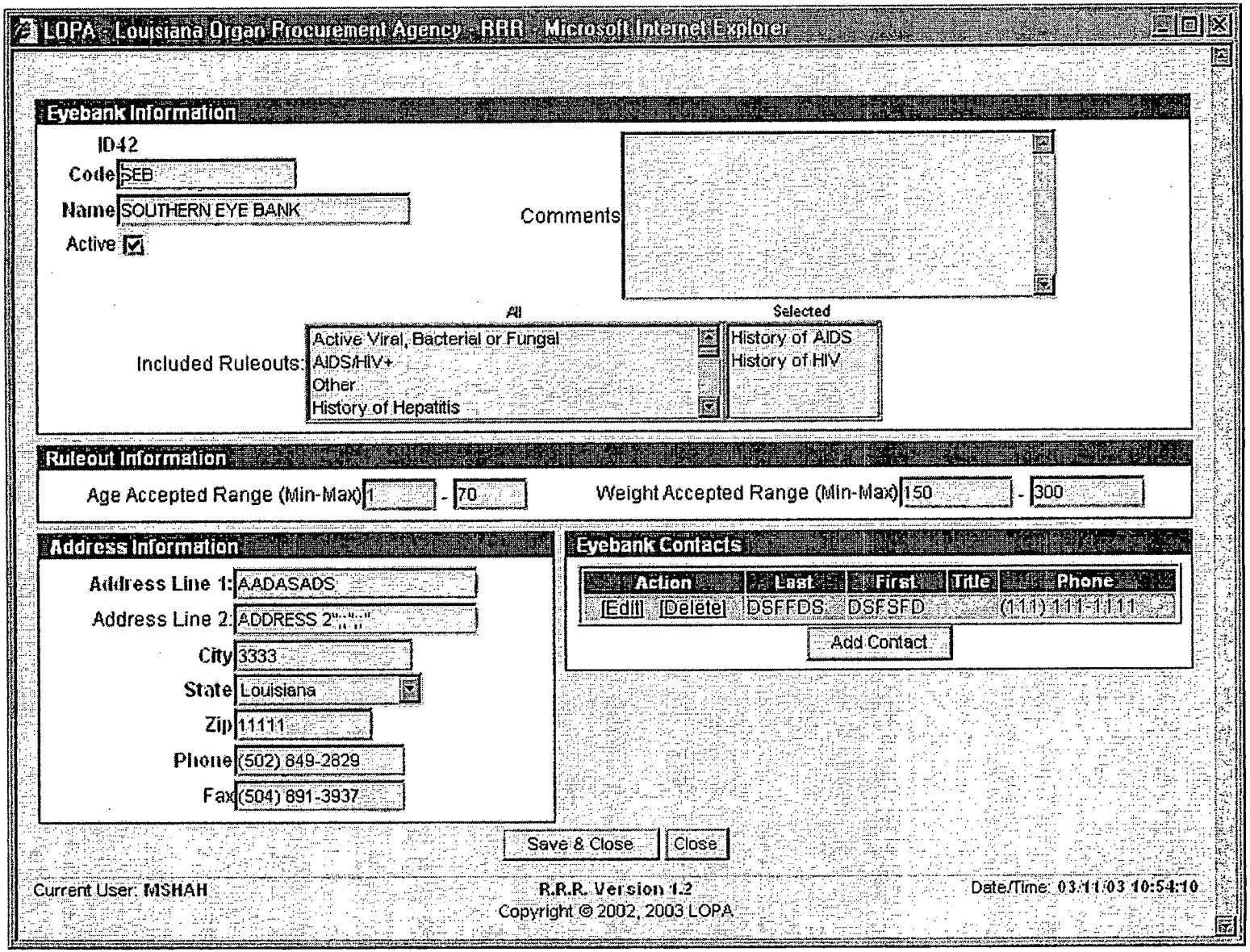
LOPA

Management: Edit Hospital



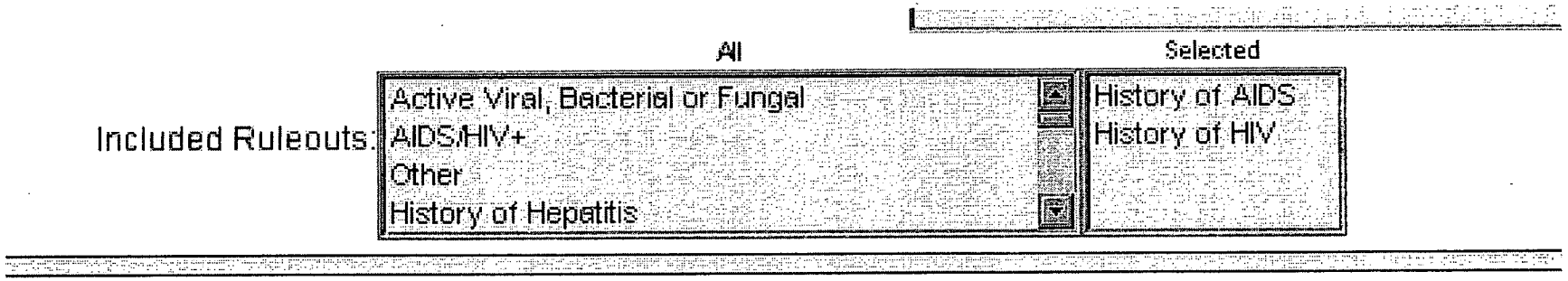
LOPA

Management: Edit Eyebank



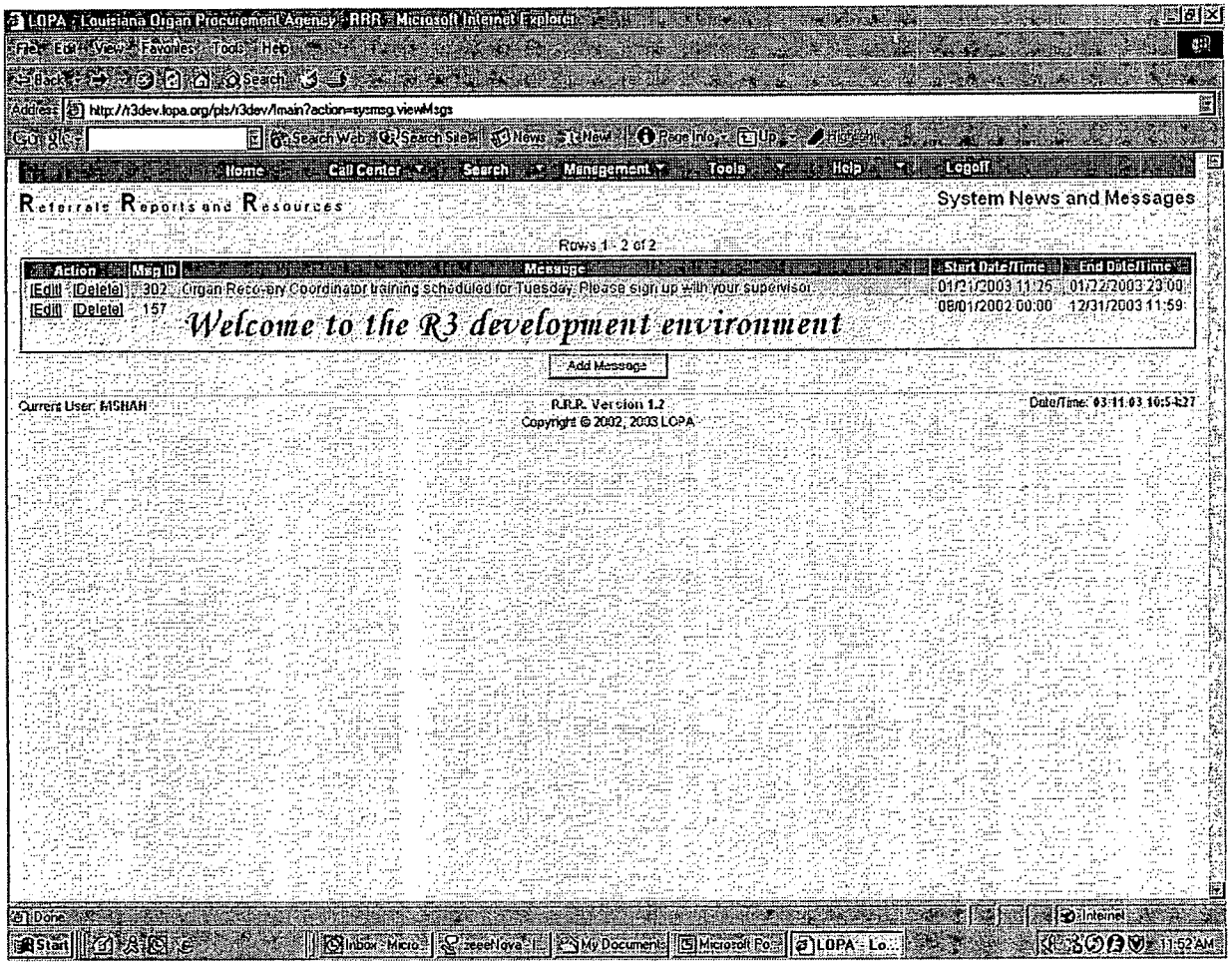
LOPA

Management: Eyebank – Eyebank Ruleouts



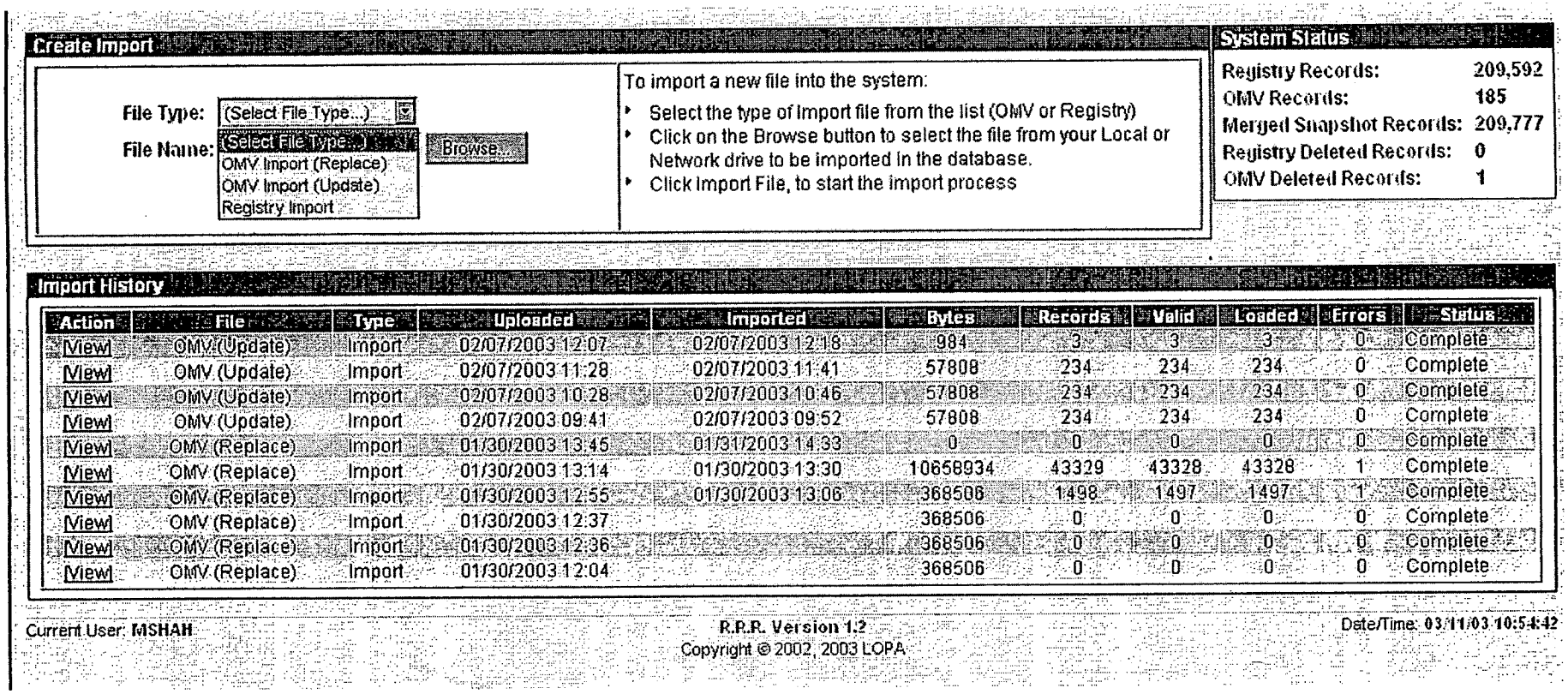
LOPA

Management: Messaging



LOPA

Management: Import Registry



Create Import

File Type: (Select File Type...)

File Name: (Select File Type...) Browse...

OMV Import (Replace)
OMV Import (Update)
Registry Import

To import a new file into the system:

- Select the type of Import file from the list (OMV or Registry)
- Click on the Browse button to select the file from your Local or Network drive to be imported in the database.
- Click Import File, to start the import process

System Status

Registry Records:	209,592
OMV Records:	185
Merged Snapshot Records:	209,777
Registry Deleted Records:	0
OMV Deleted Records:	1

Import History

Action	File	Type	Uploaded	Imported	Bytes	Records	Valid	Loaded	Errors	Status
View	OMV (Update)	Import	02/07/2003 12:07	02/07/2003 12:18	984	3	3	3	0	Complete
View	OMV (Update)	Import	02/07/2003 11:28	02/07/2003 11:41	57808	234	234	234	0	Complete
View	OMV (Update)	Import	02/07/2003 10:28	02/07/2003 10:46	57808	234	234	234	0	Complete
View	OMV (Update)	Import	02/07/2003 09:41	02/07/2003 09:52	57808	234	234	234	0	Complete
View	OMV (Replace)	Import	01/30/2003 13:45	01/31/2003 14:33	0	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 13:14	01/30/2003 13:30	10658934	43329	43328	43328	1	Complete
View	OMV (Replace)	Import	01/30/2003 12:55	01/30/2003 13:06	368506	1498	1497	1497	1	Complete
View	OMV (Replace)	Import	01/30/2003 12:37		368506	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 12:36		368506	0	0	0	0	Complete
View	OMV (Replace)	Import	01/30/2003 12:04		368506	0	0	0	0	Complete

Current User: MSHAH

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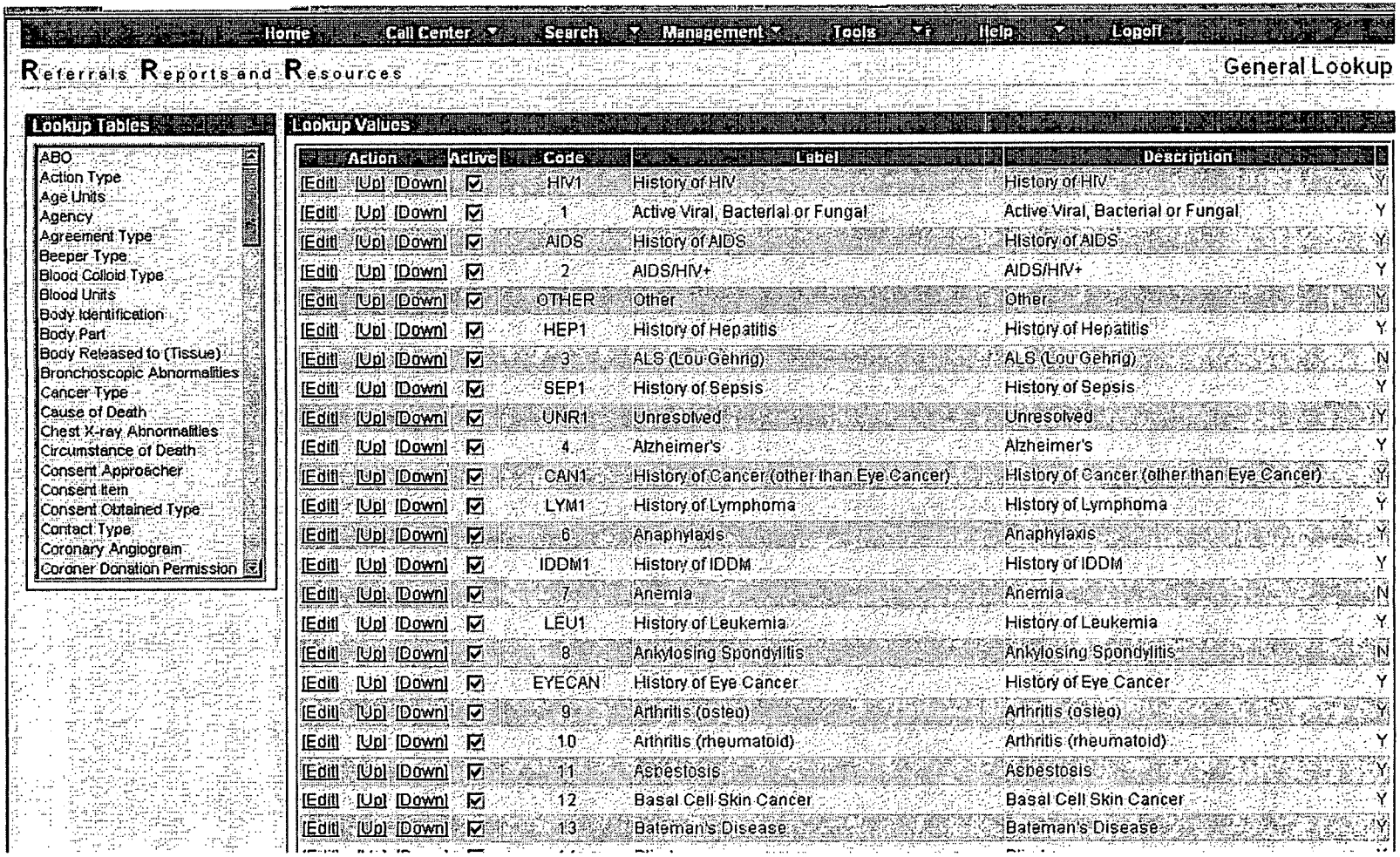
Date/Time: 03/11/03 10:54:42

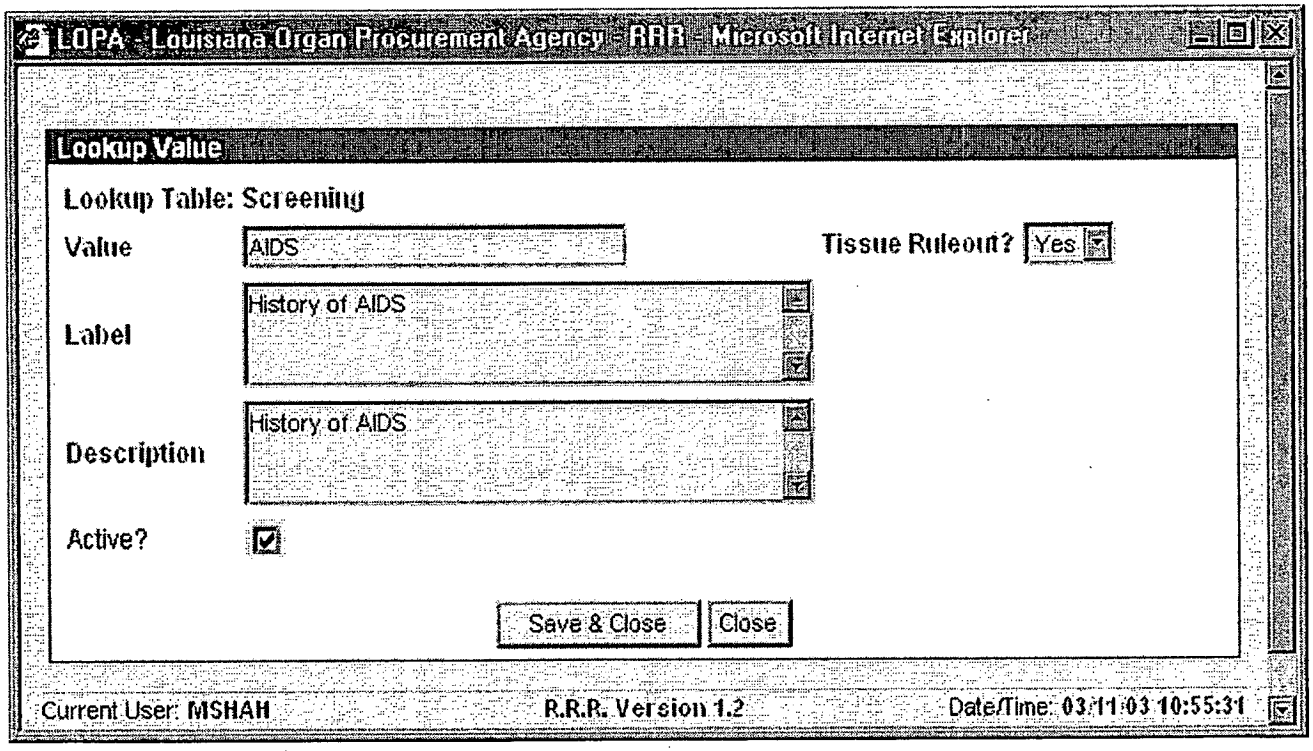
LOPA

Management: Lookups

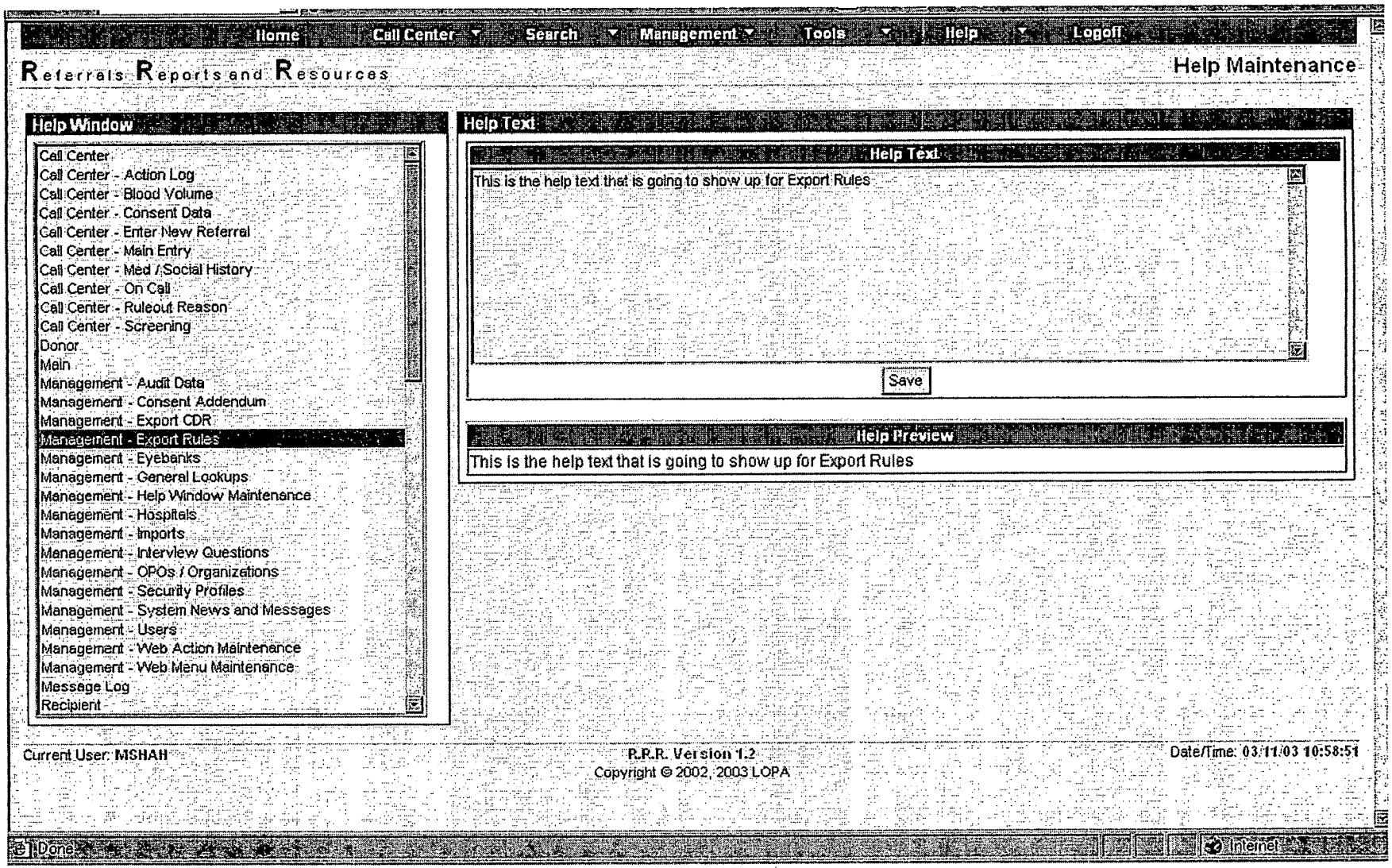


LOPA

Management: Lookup Example: Screening

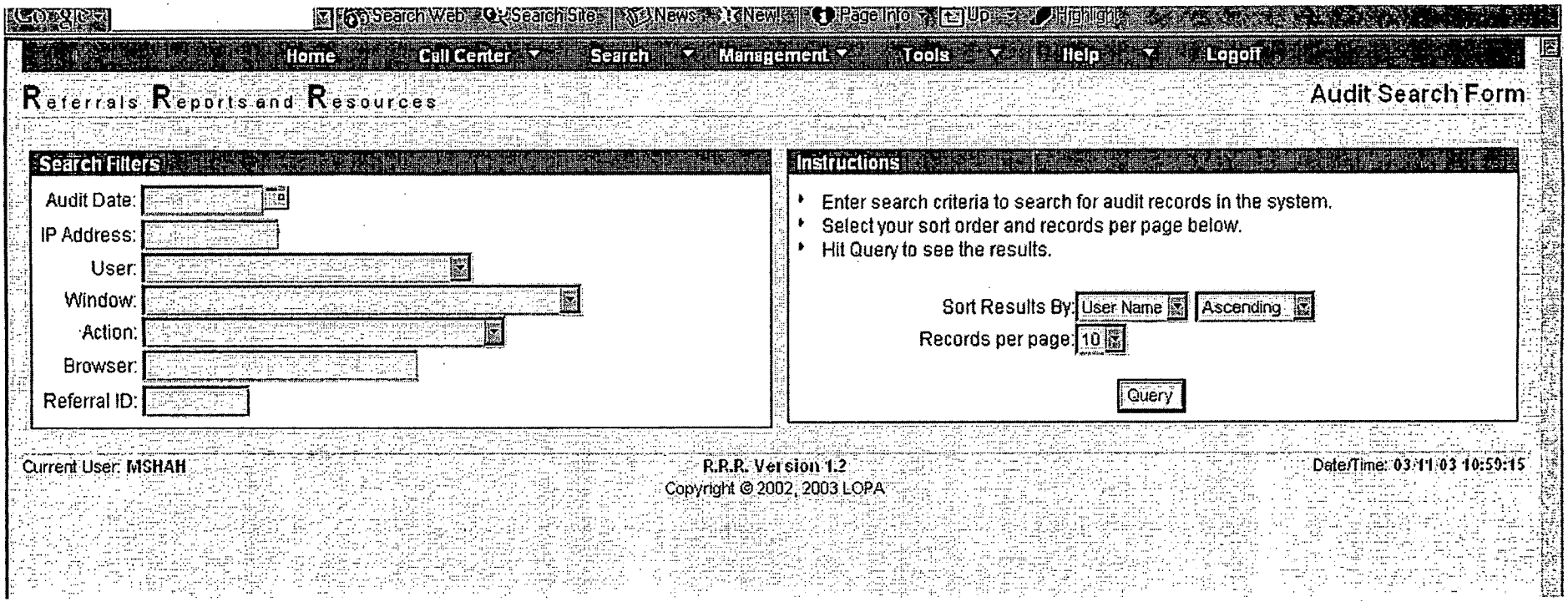


Management: Help



LOPA

Management: Audit Data

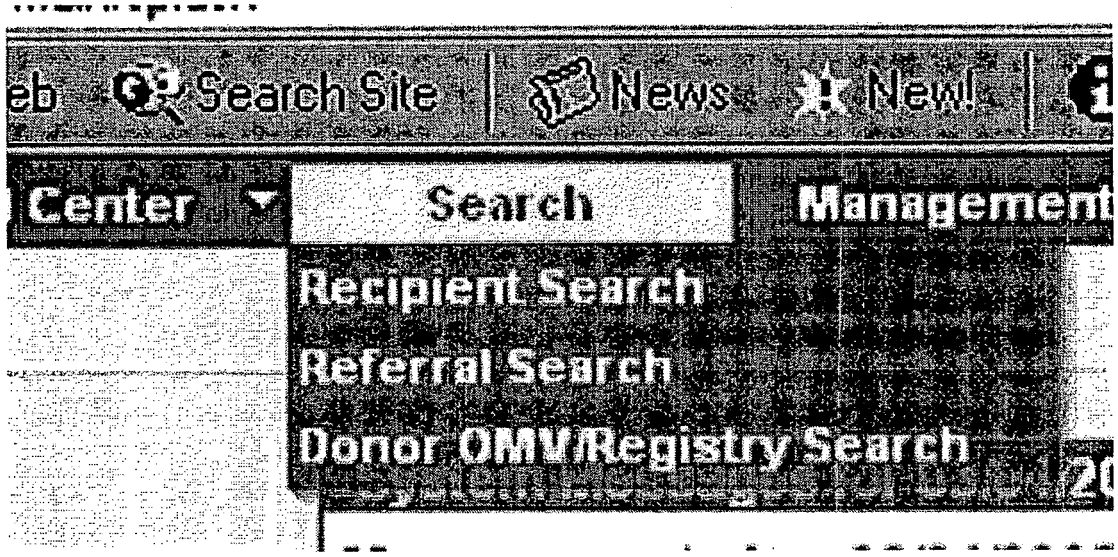


LOPA

Entering and Editing Clinical Information

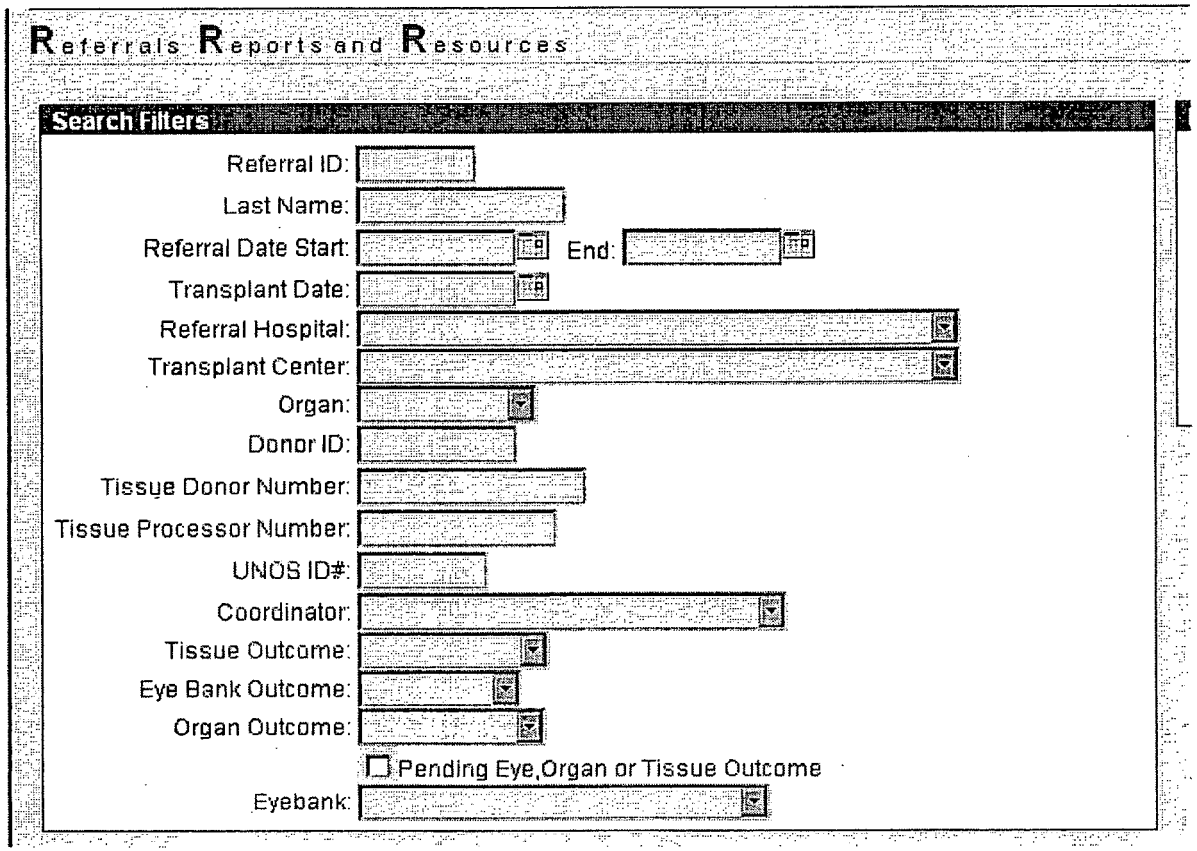
LOPA

Search Menu



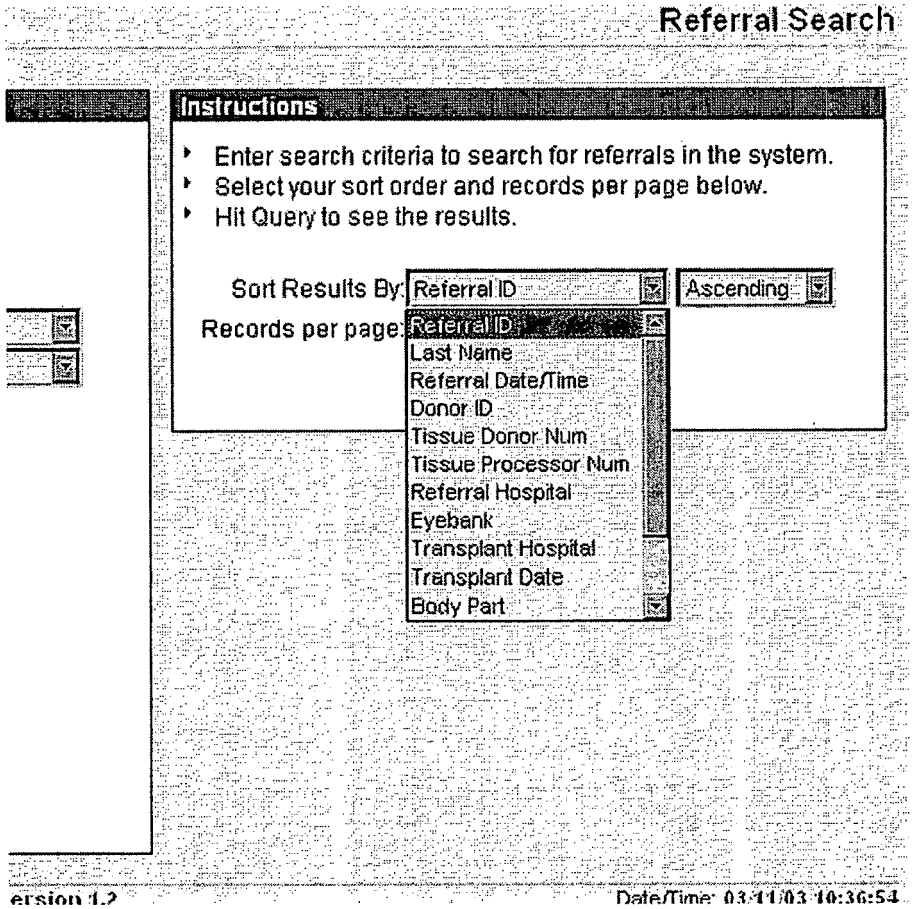
LOPA

Referral Search Parameters



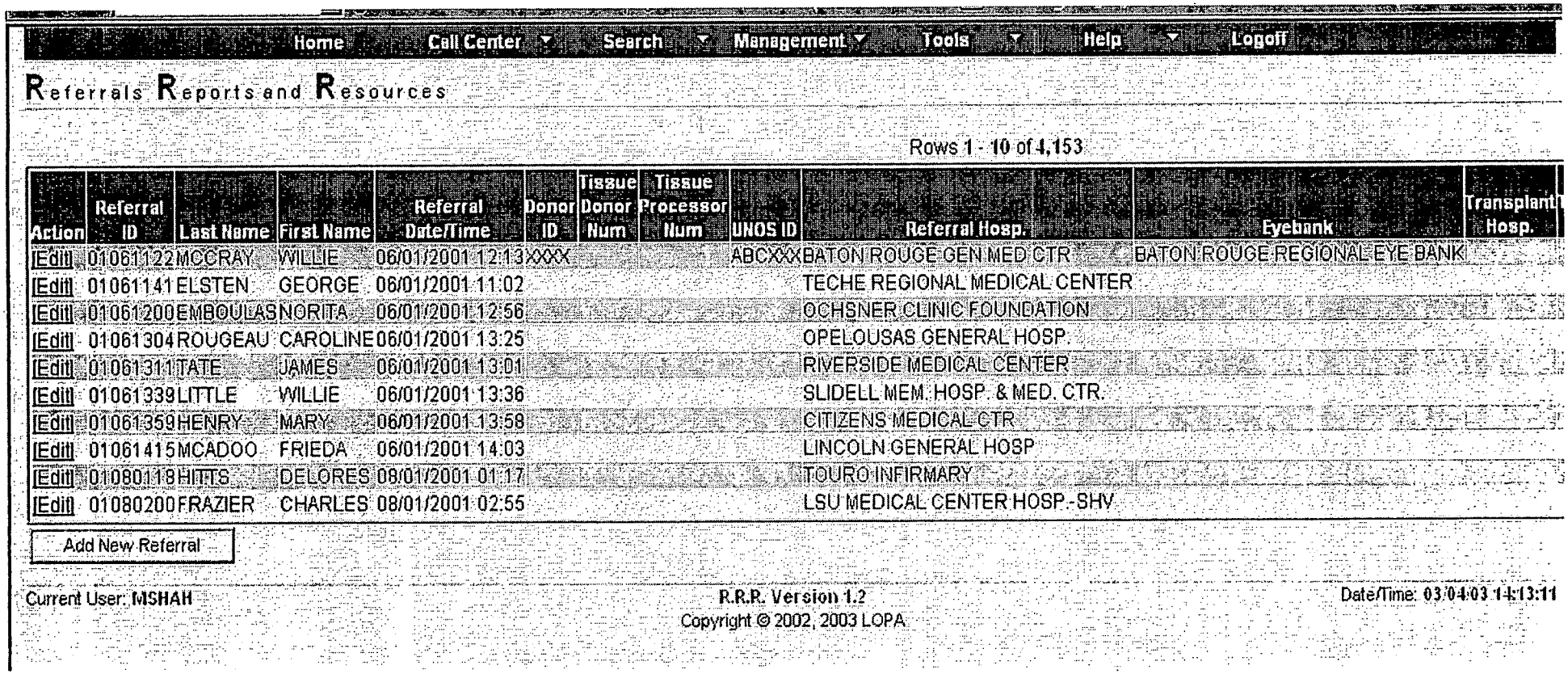
LOPA

Referral Search – Sort Criteria



LOPA

Referral List



Home | Call Center | Search | Management | Tools | Help | Logoff

Referrals Reports and Resources

Rows 1 - 10 of 4,153

Action	Referral ID	Last Name	First Name	Referral Date/Time	Donor ID	Tissue Donor Num	Tissue Processor Num	UNOS ID	Referral Hosp.	Eyebank	Transplant Hosp.
[Edit]	01061122	MCCRAY	WILLIE	06/01/2001 12:13	XXXX			ABCXXX	BATON ROUGE GEN MED CTR	BATON ROUGE REGIONAL EYE BANK	
[Edit]	01061141	ELSTEN	GEORGE	06/01/2001 11:02					TECHE REGIONAL MEDICAL CENTER		
[Edit]	01061200	EMBOULAS	NORITA	06/01/2001 12:56					OCHSNER CLINIC FOUNDATION		
[Edit]	01061304	ROUGEAU	CAROLINE	06/01/2001 13:25					OPELOUSAS GENERAL HOSP		
[Edit]	01061311	TATE	JAMES	06/01/2001 13:01					RIVERSIDE MEDICAL CENTER		
[Edit]	01061339	LITTLE	WILLIE	06/01/2001 13:36					SLIDELL MEM. HOSP. & MED. CTR.		
[Edit]	01061359	HENRY	MARY	06/01/2001 13:58					CITIZENS MEDICAL CTR		
[Edit]	01061415	MCADOO	FRIEDA	06/01/2001 14:03					LINCOLN GENERAL HOSP		
[Edit]	01080118	HITTS	DELORES	08/01/2001 01:17					TOURO INFIRMARY		
[Edit]	01080200	FRAZIER	CHARLES	08/01/2001 02:55					LSU MEDICAL CENTER HOSP.-SHV		

Add New Referral

Current User: MSHAH

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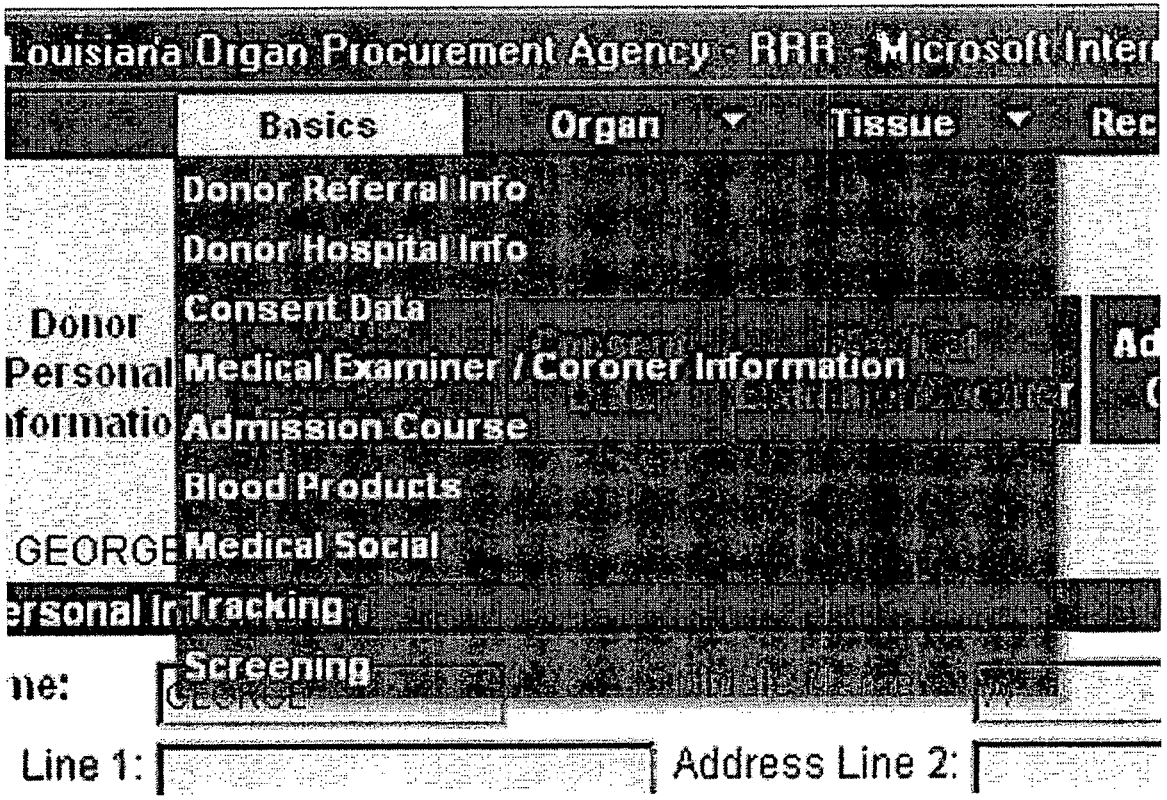
Date/Time: 03/04/03 14:13:11

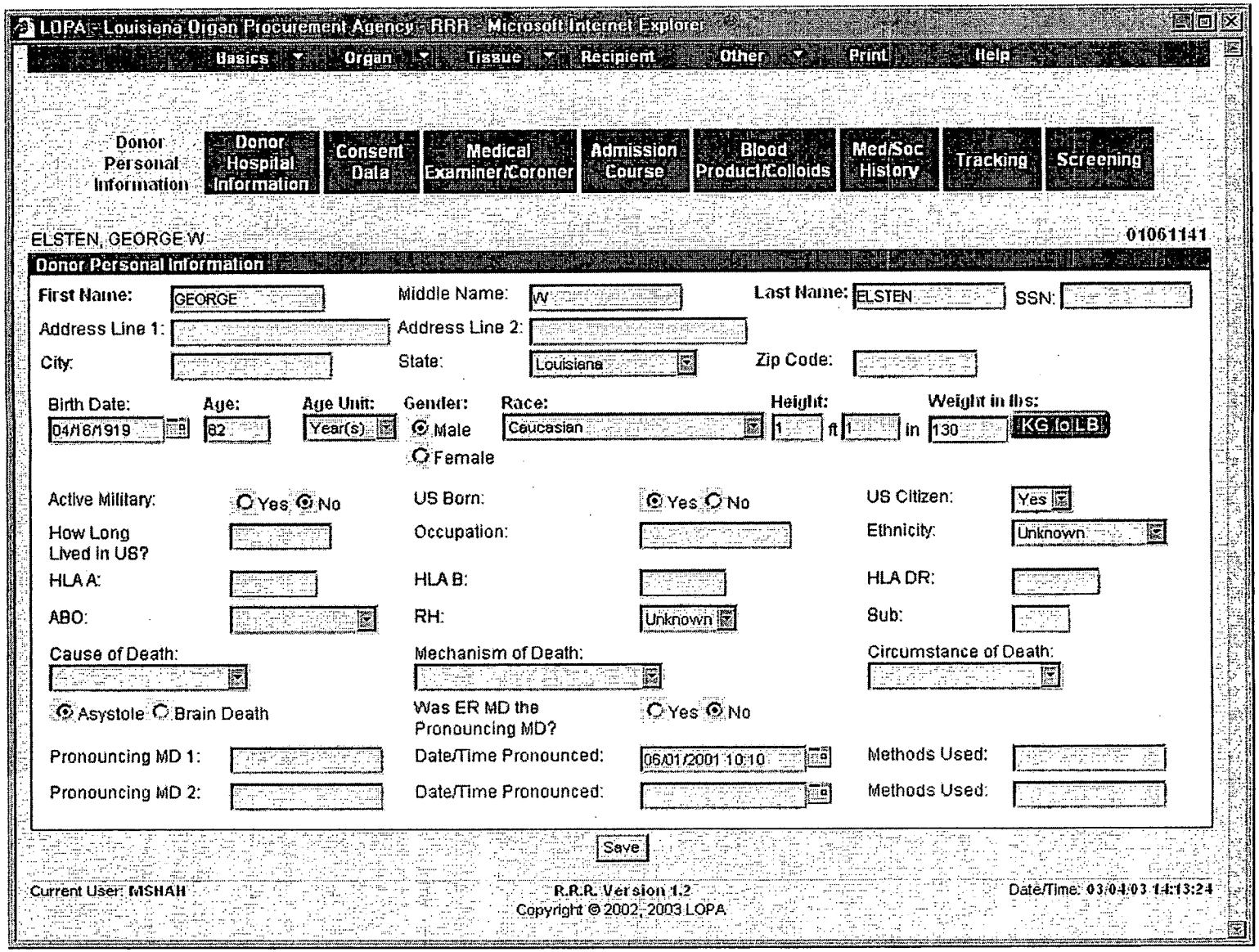
LOPA

Referral Basics Menu



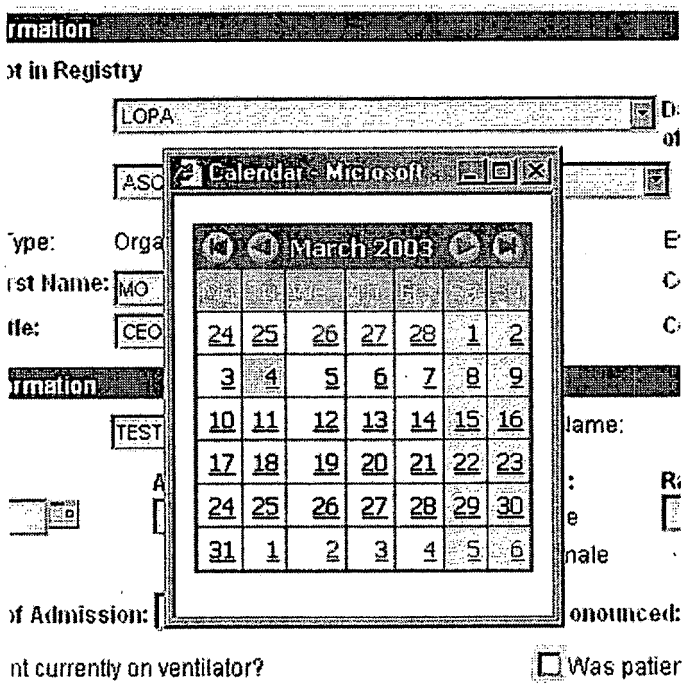
LOPA

Referral Basics: Main Page



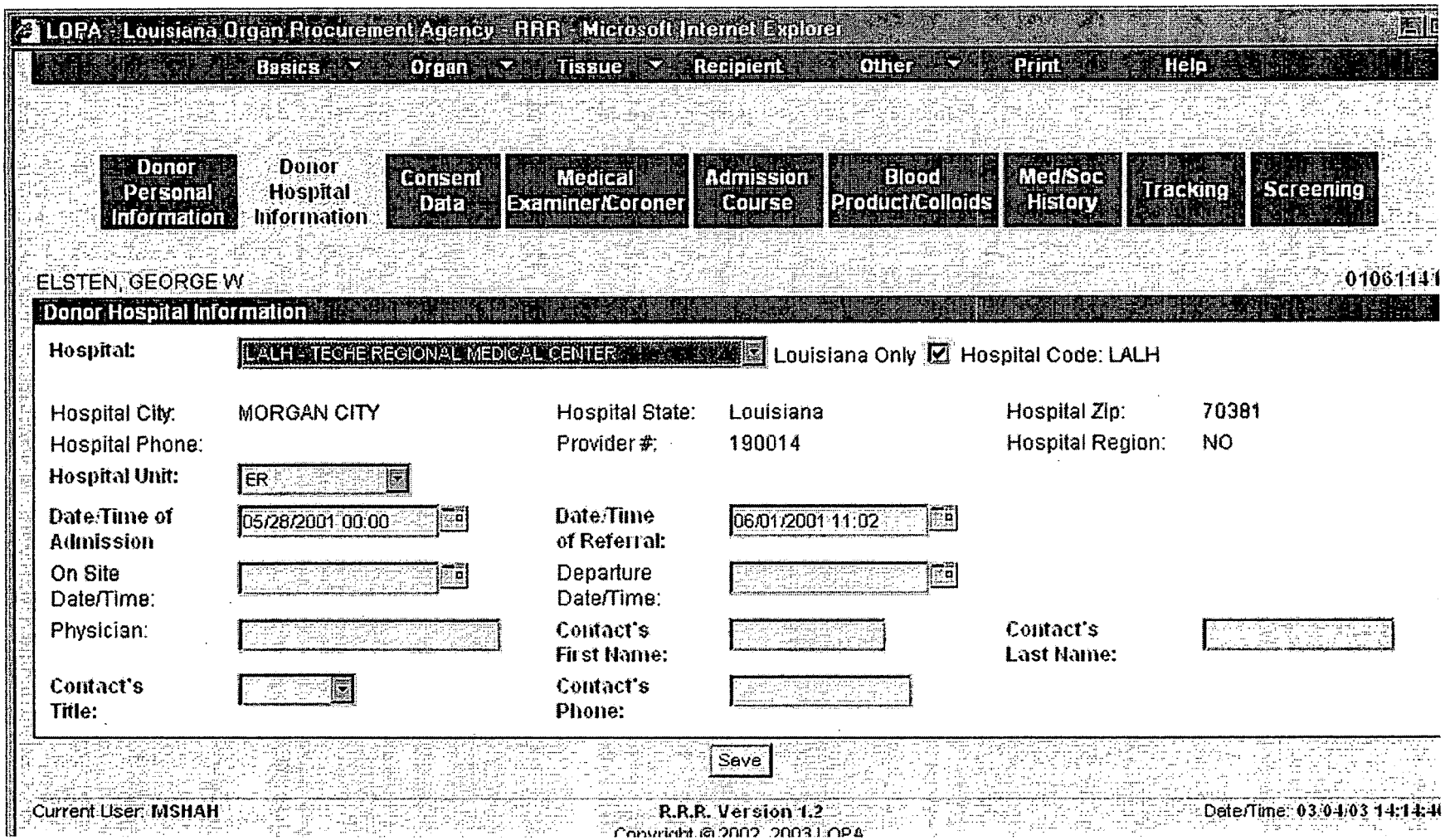
LOPA

Entering a date



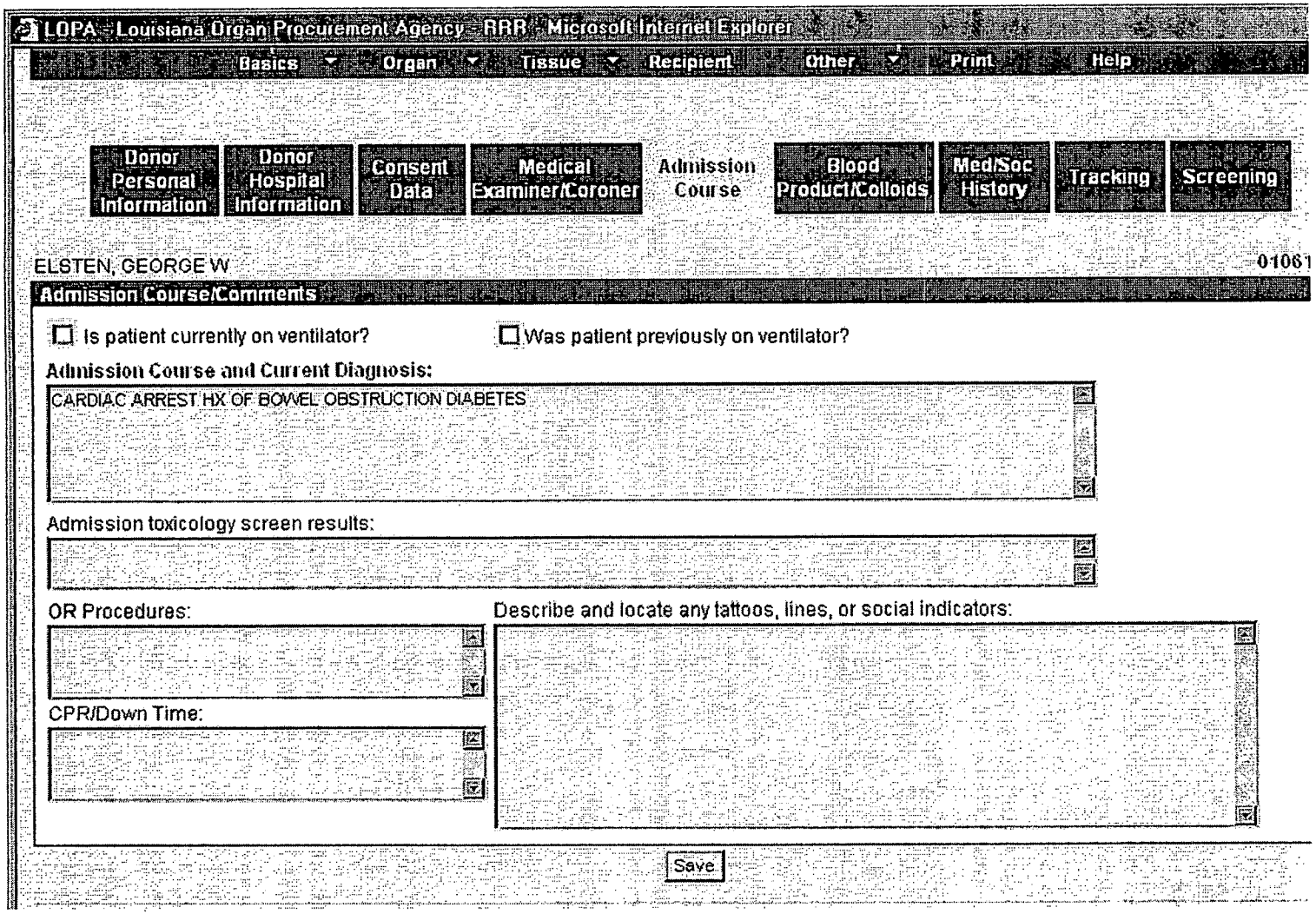
LOPA

Referral Basics: Hospital Information



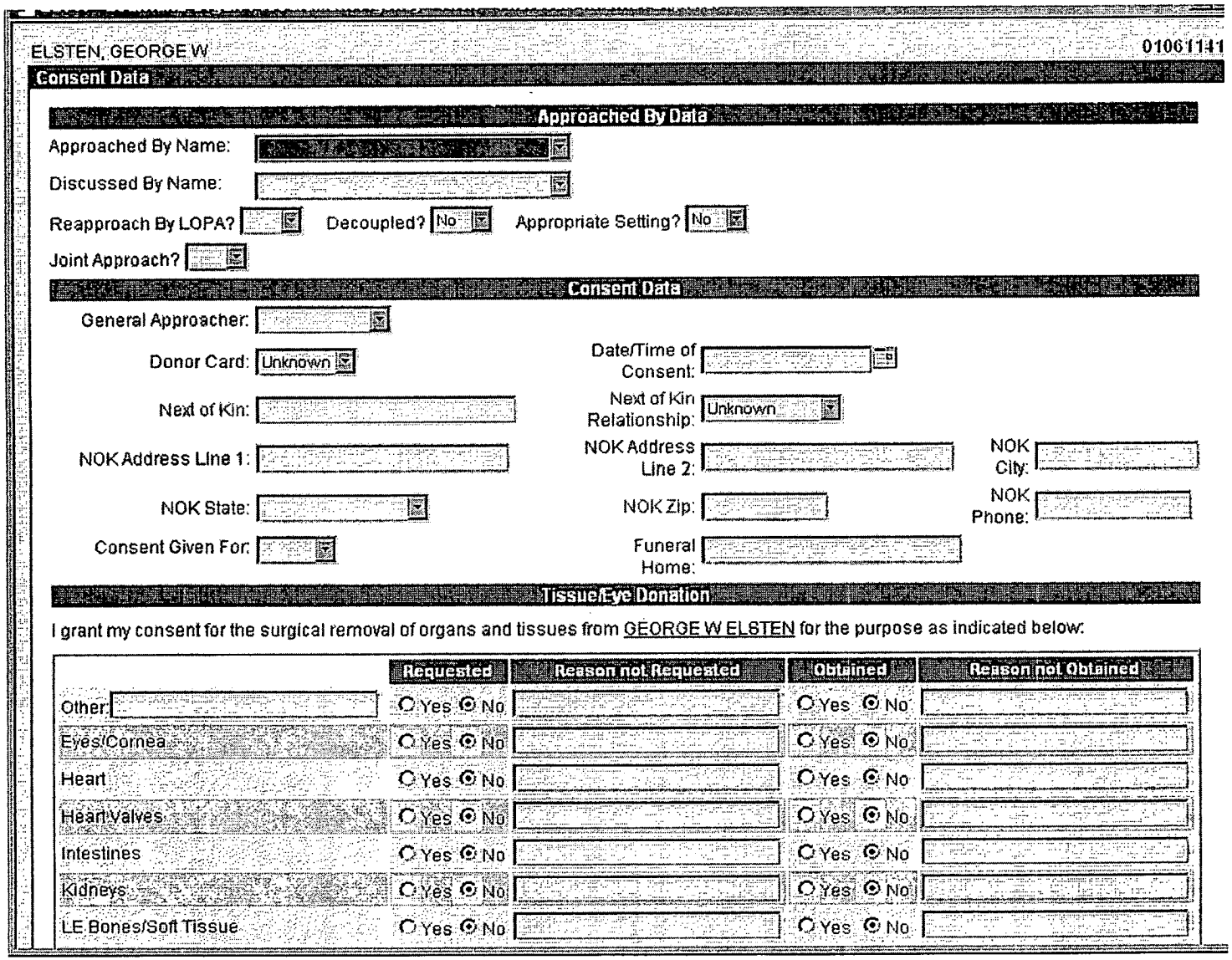
LOPA

Referral Basics: Admission Course



LOPA

Referral Basics: Consent



ELSTEN, GEORGE W 01061141

Consent Data

Approached By Data

Approached By Name:

Discussed By Name:

Reapproach By LOPA? Decoupled? No Appropriate Setting? No

Joint Approach?

Consent Data

General Approacher:

Donor Card: Unknown

Date/Time of Consent:

Next of Kin:

Next of Kin Relationship: Unknown

NOK Address Line 1:

NOK Address Line 2:

NOK City:

NOK State:

NOK Zip:

NOK Phone:

Consent Given For:

Funeral Home:

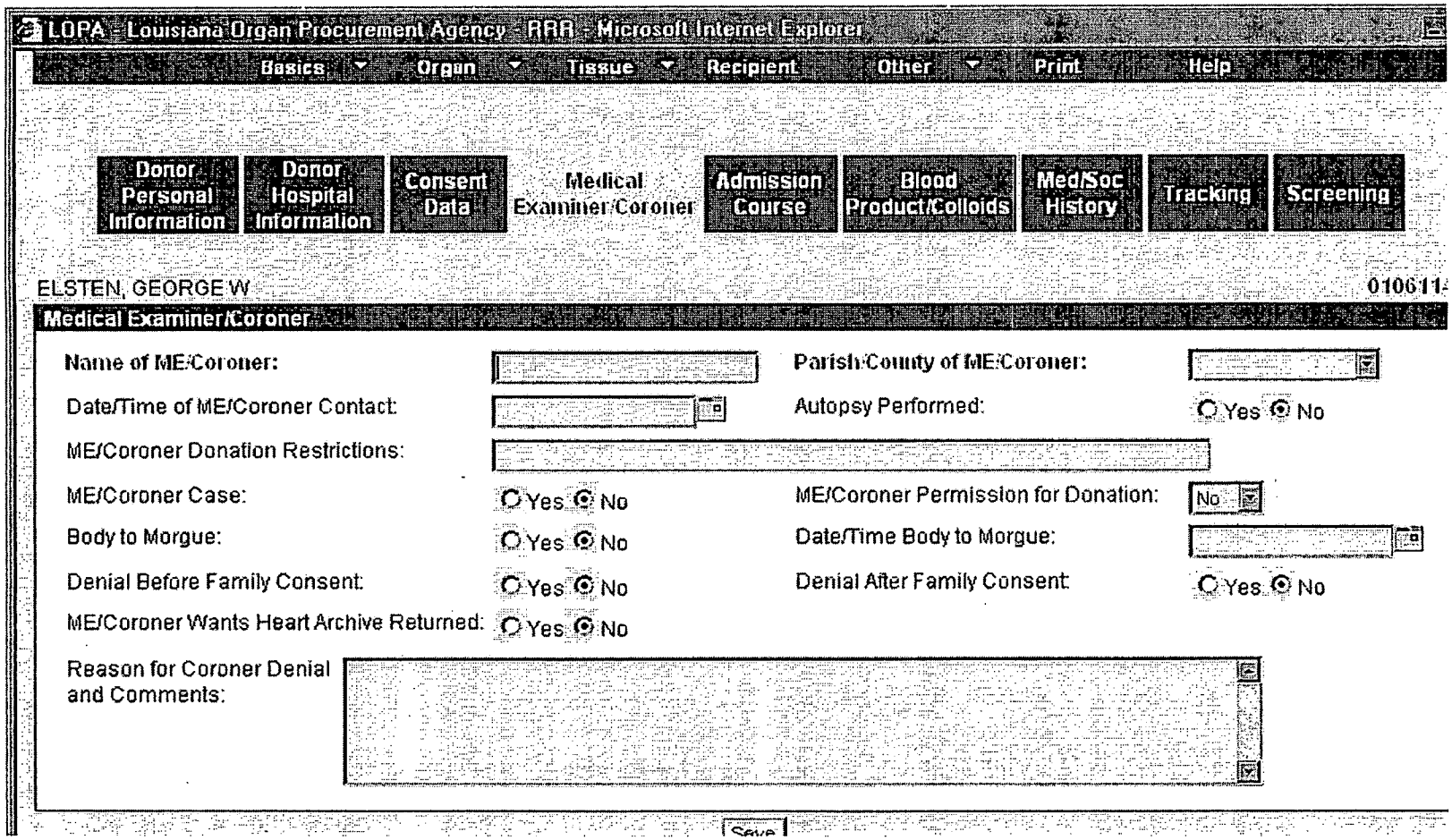
Tissue/Eye Donation

I grant my consent for the surgical removal of organs and tissues from GEORGE W ELSTEN for the purpose as indicated below:

	Requested	Reason not Requested	Obtained	Reason not Obtained
Other:	○ Yes ◉ No		○ Yes ◉ No	
Eyes/Cornea	○ Yes ◉ No		○ Yes ◉ No	
Heart	○ Yes ◉ No		○ Yes ◉ No	
Heart Valves	○ Yes ◉ No		○ Yes ◉ No	
Intestines	○ Yes ◉ No		○ Yes ◉ No	
Kidneys	○ Yes ◉ No		○ Yes ◉ No	
LE Bones/Soft Tissue	○ Yes ◉ No		○ Yes ◉ No	

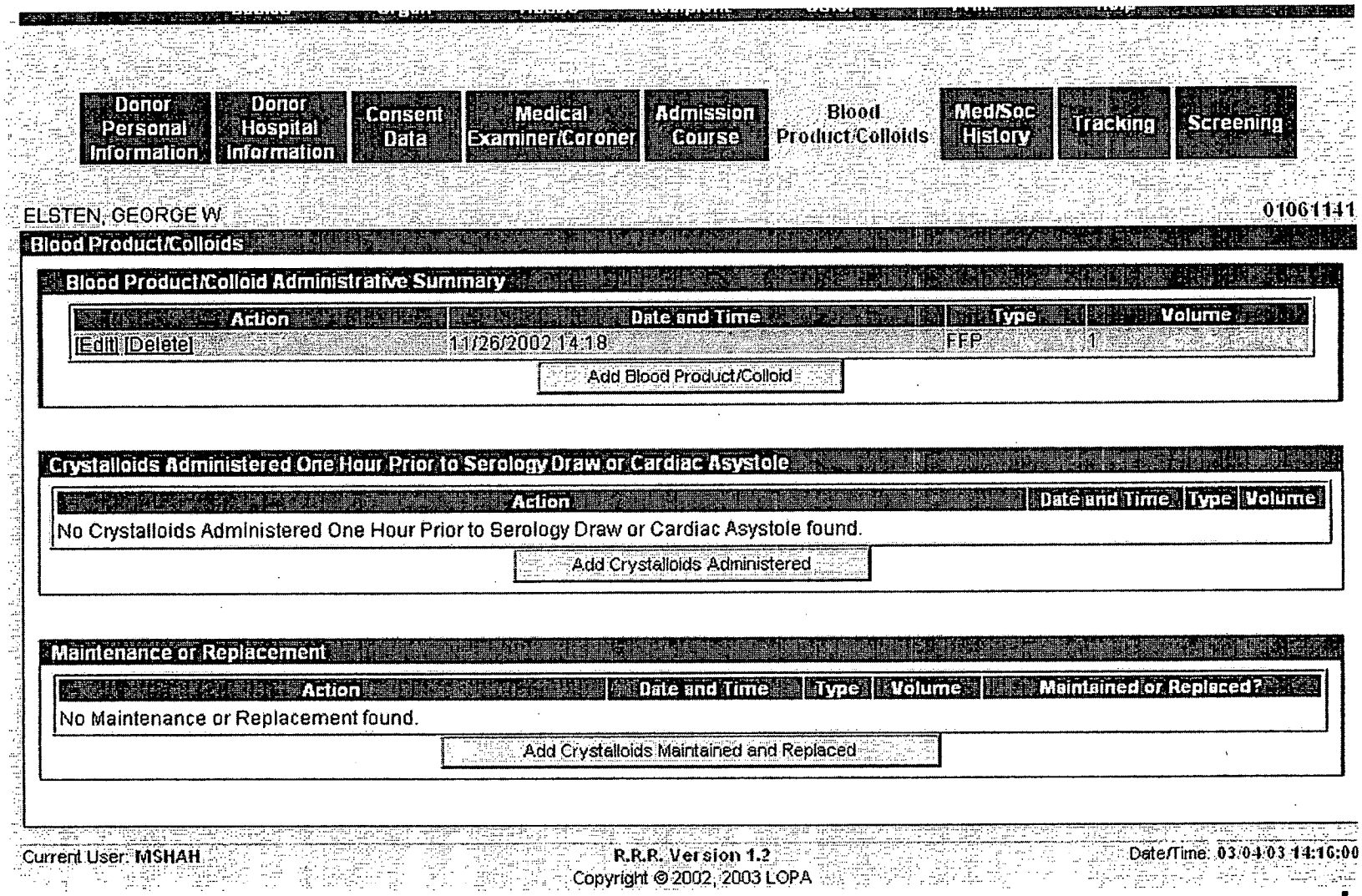
LOPA

Referral Basics: ME/Coroner



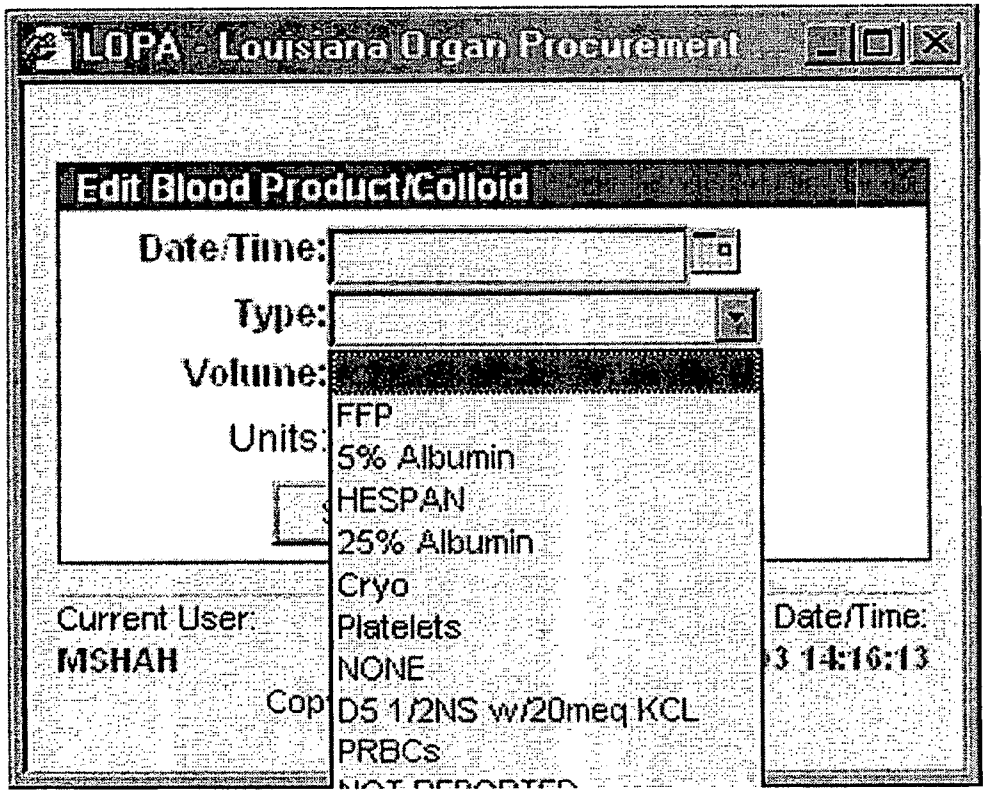
LOPA

Referral Basics: Blood Products/Colloids

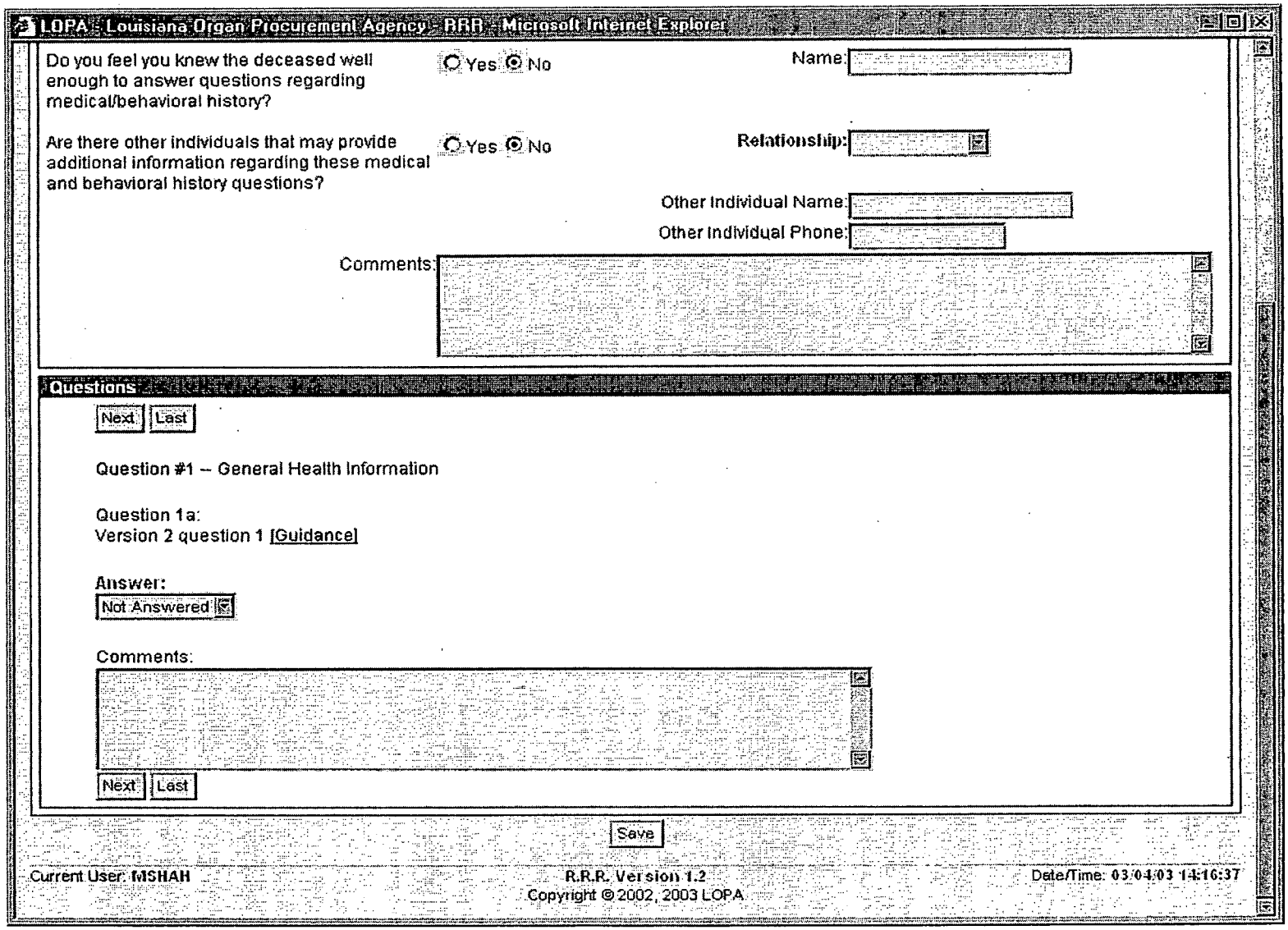


LOPA

Referral Basics: Entering a Blood Product

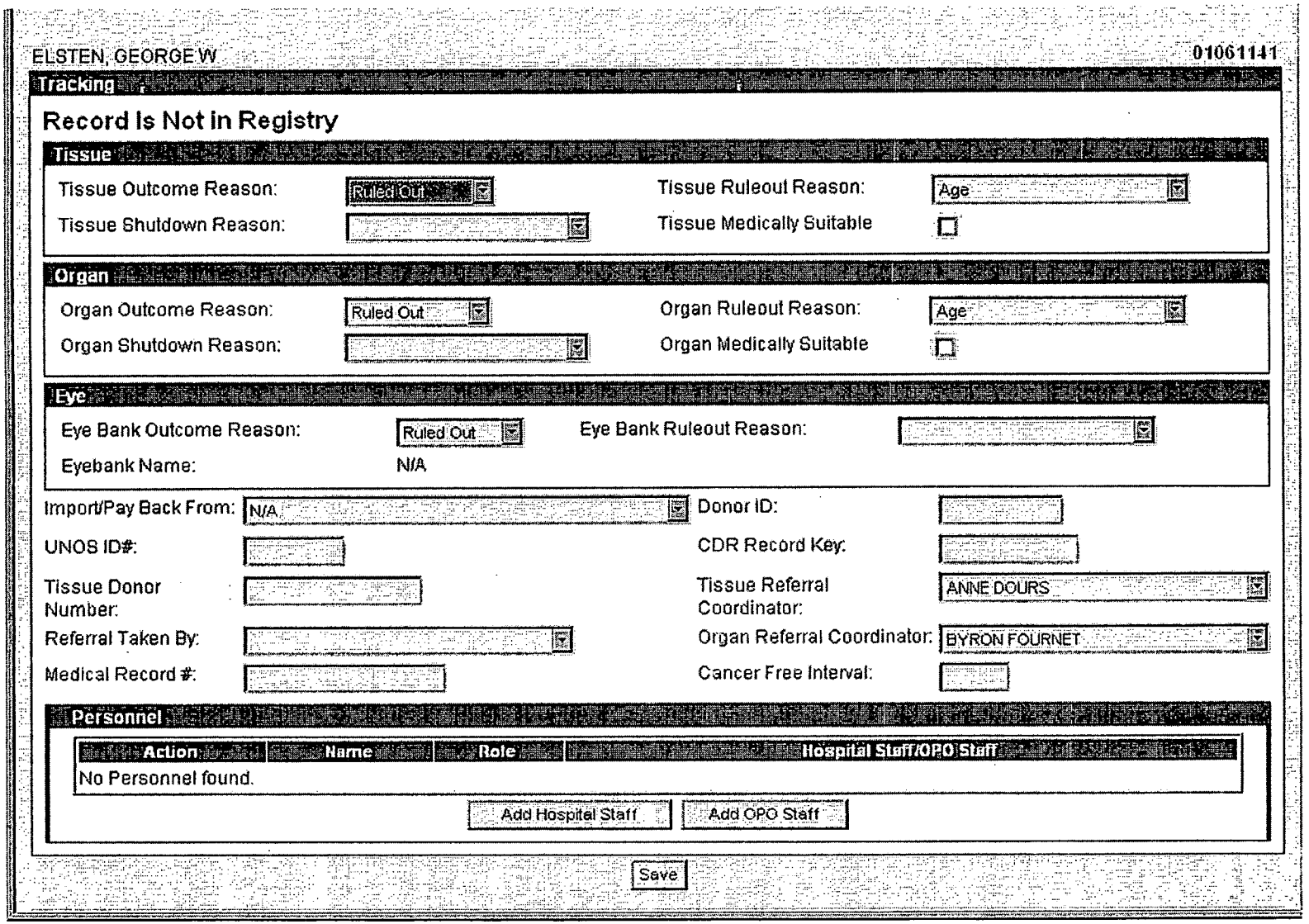


Referral Basics: Medical/Social Questionnaire



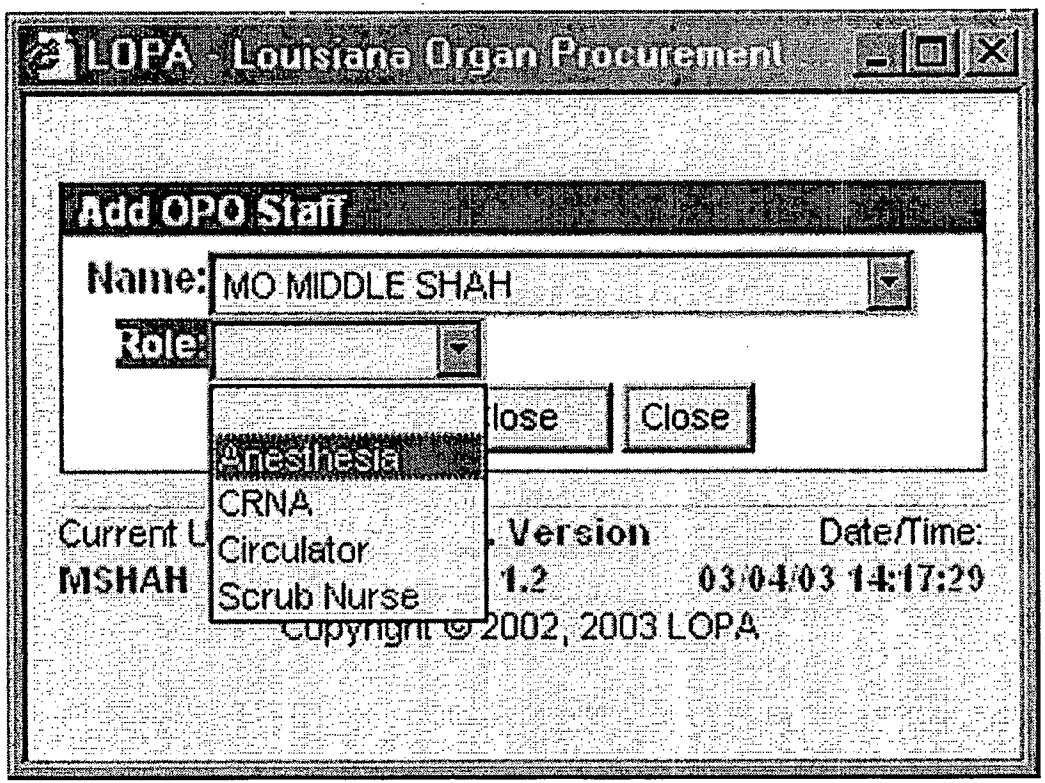
LOPA

Referral Basics: Tracking

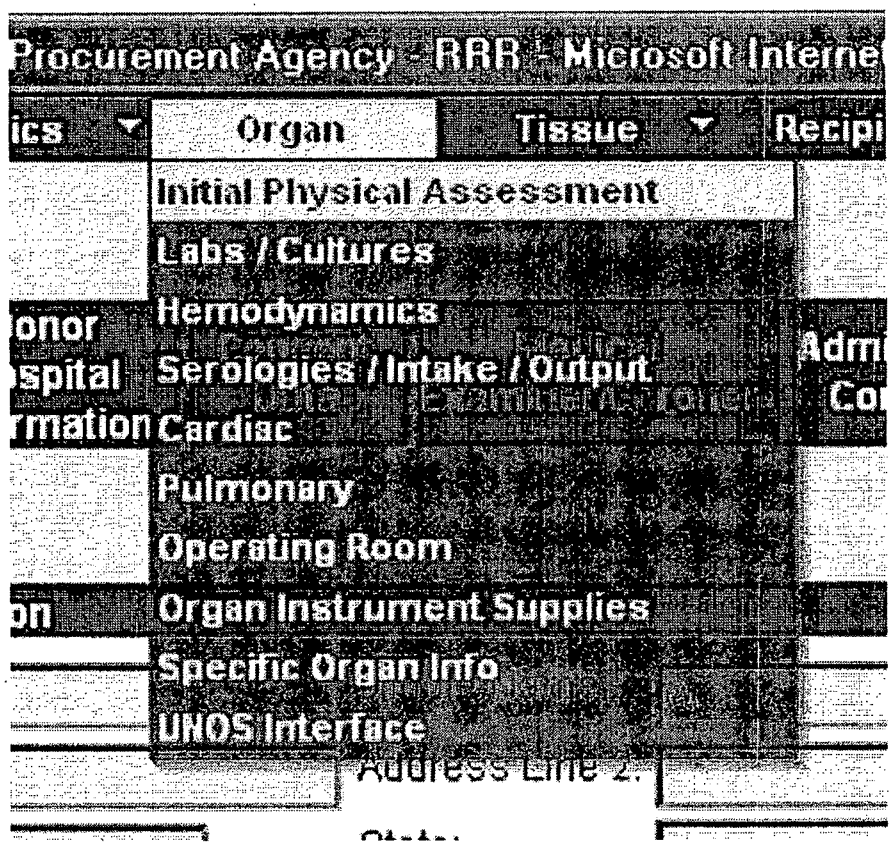


LOPA

Referral Basics: Adding staff

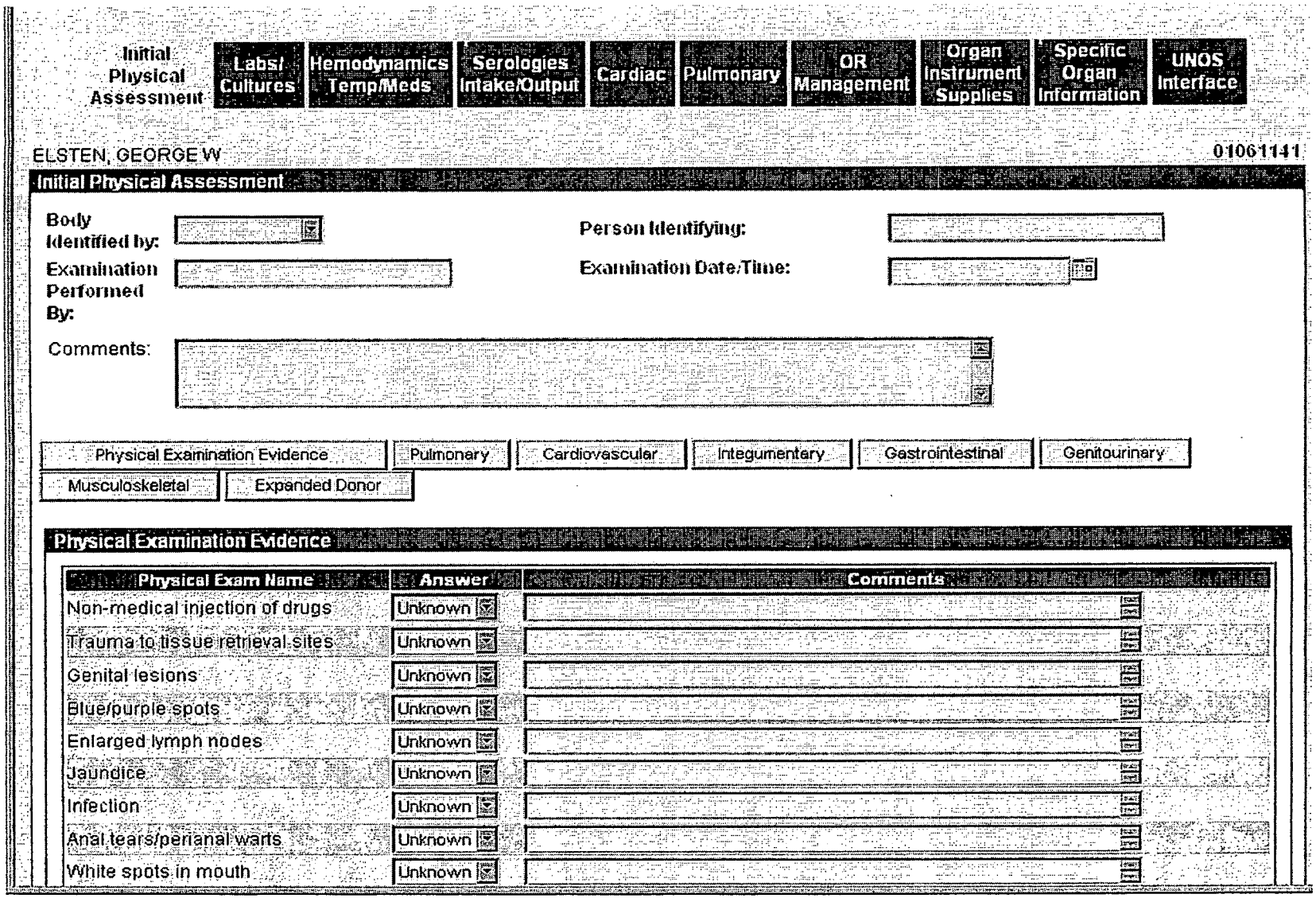


Organ Menu



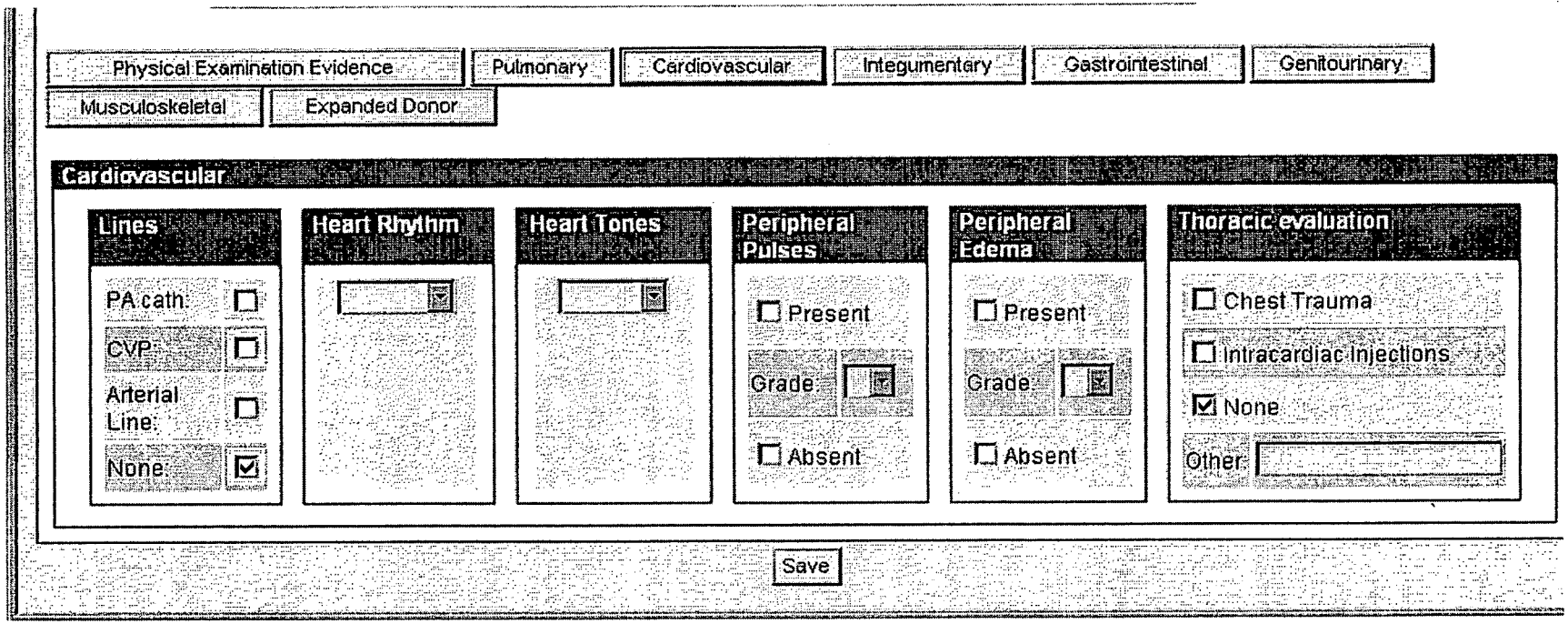
LOPA

Organ: Initial Physical Assessment



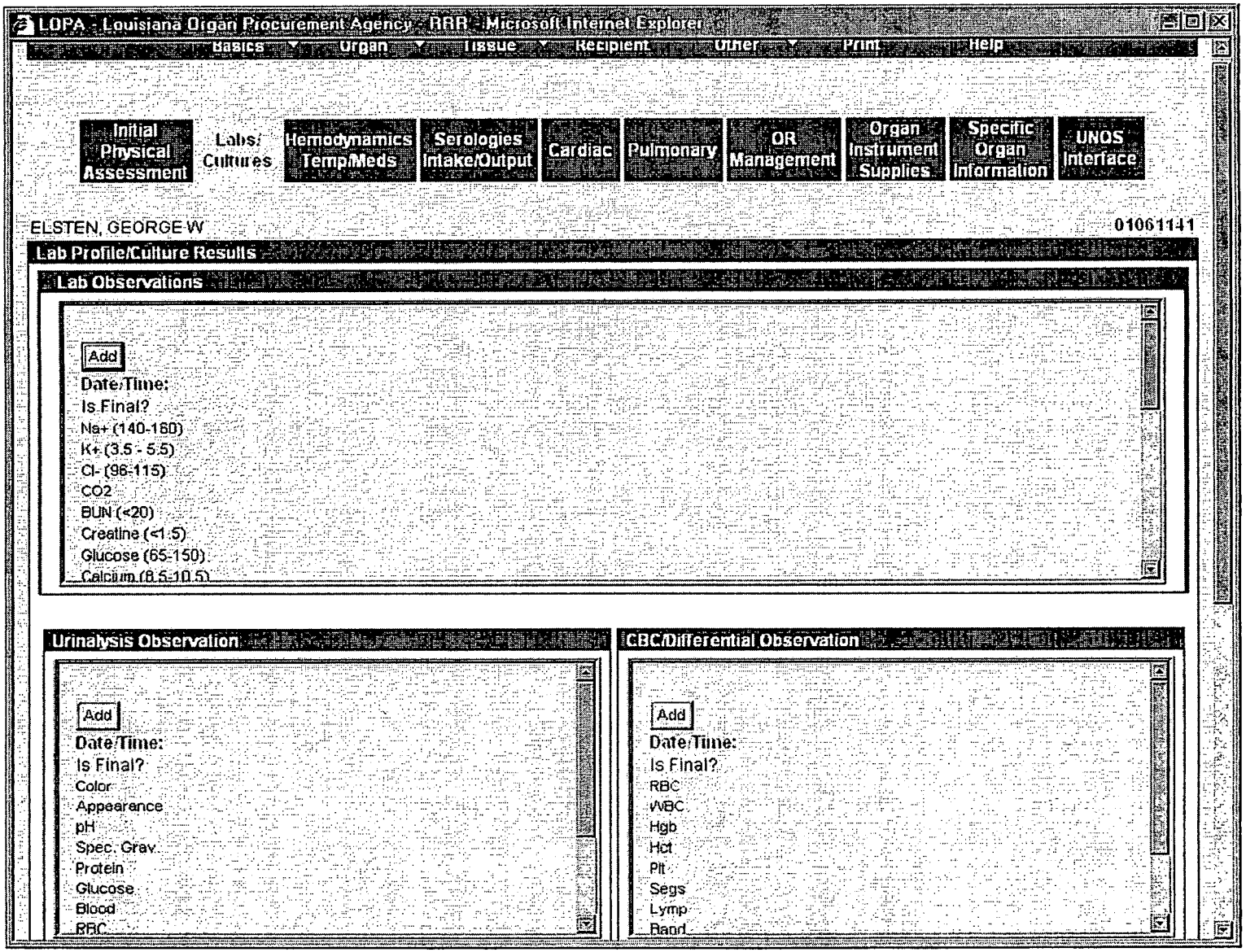
LOPA

Organ: Initial Physical Assessment -Cardiovascular



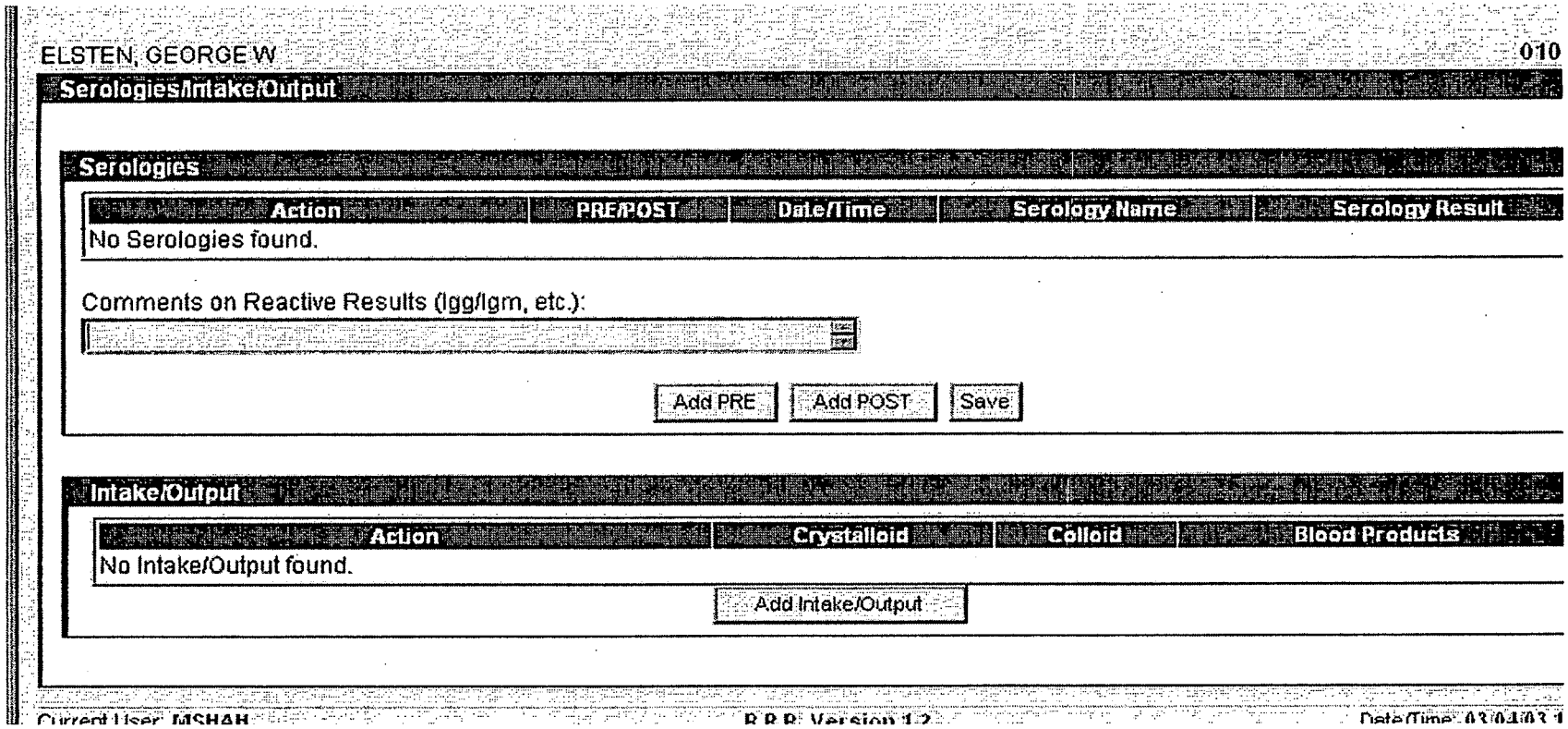
LOPA

Organ: Labs/Cultures



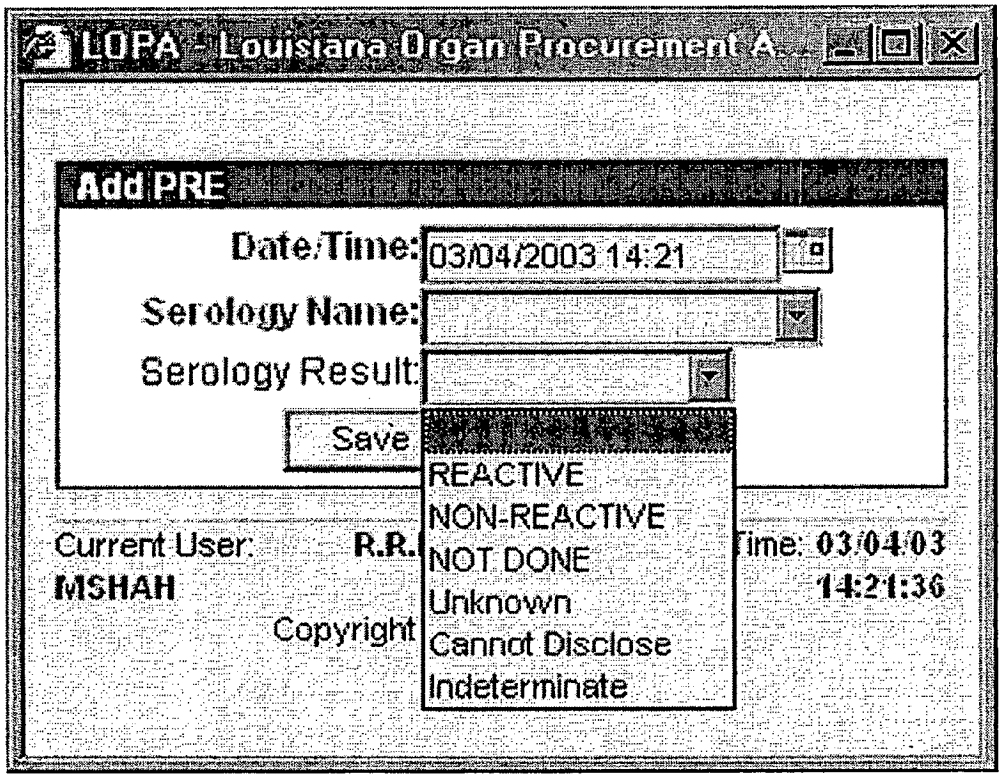
LOPA

Organ: Serology Results

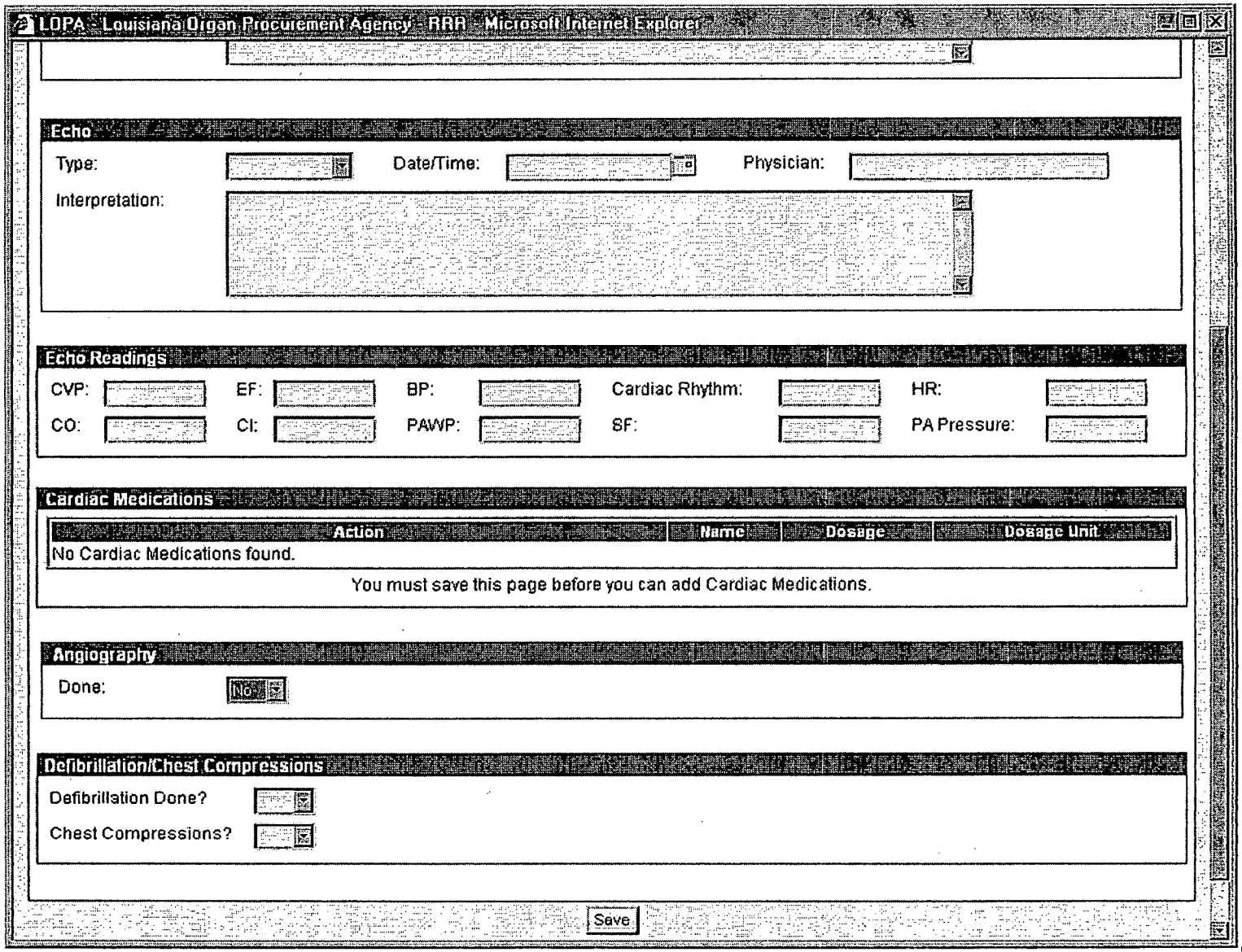


LOPA

Organ: Serology – Adding a serology

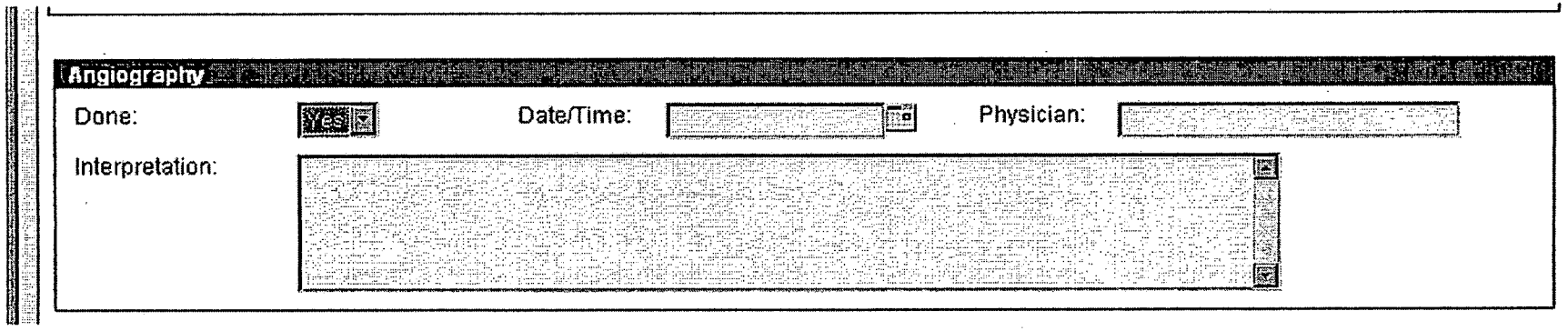


Organ: Cardiac Data



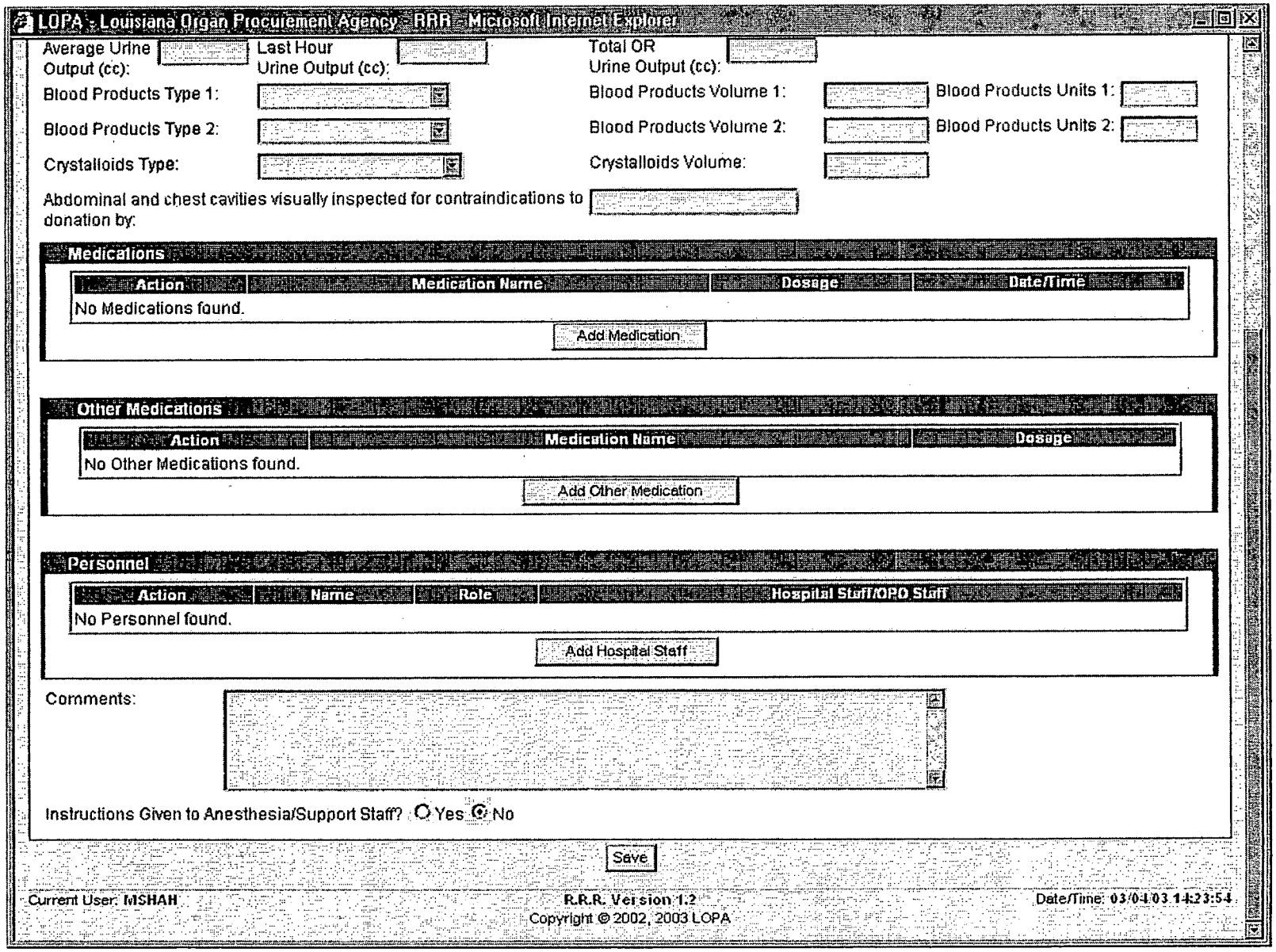
LOPA

Organ: Cardiac (dependant fields)



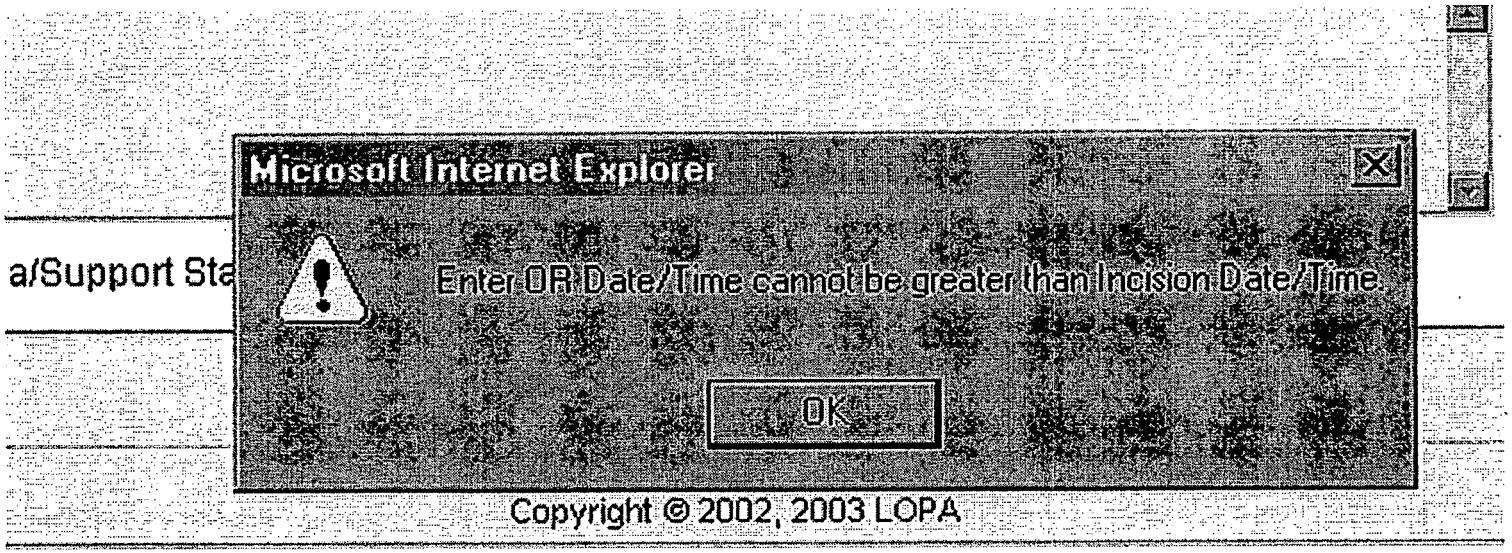
LOPA

Organ: OR Management

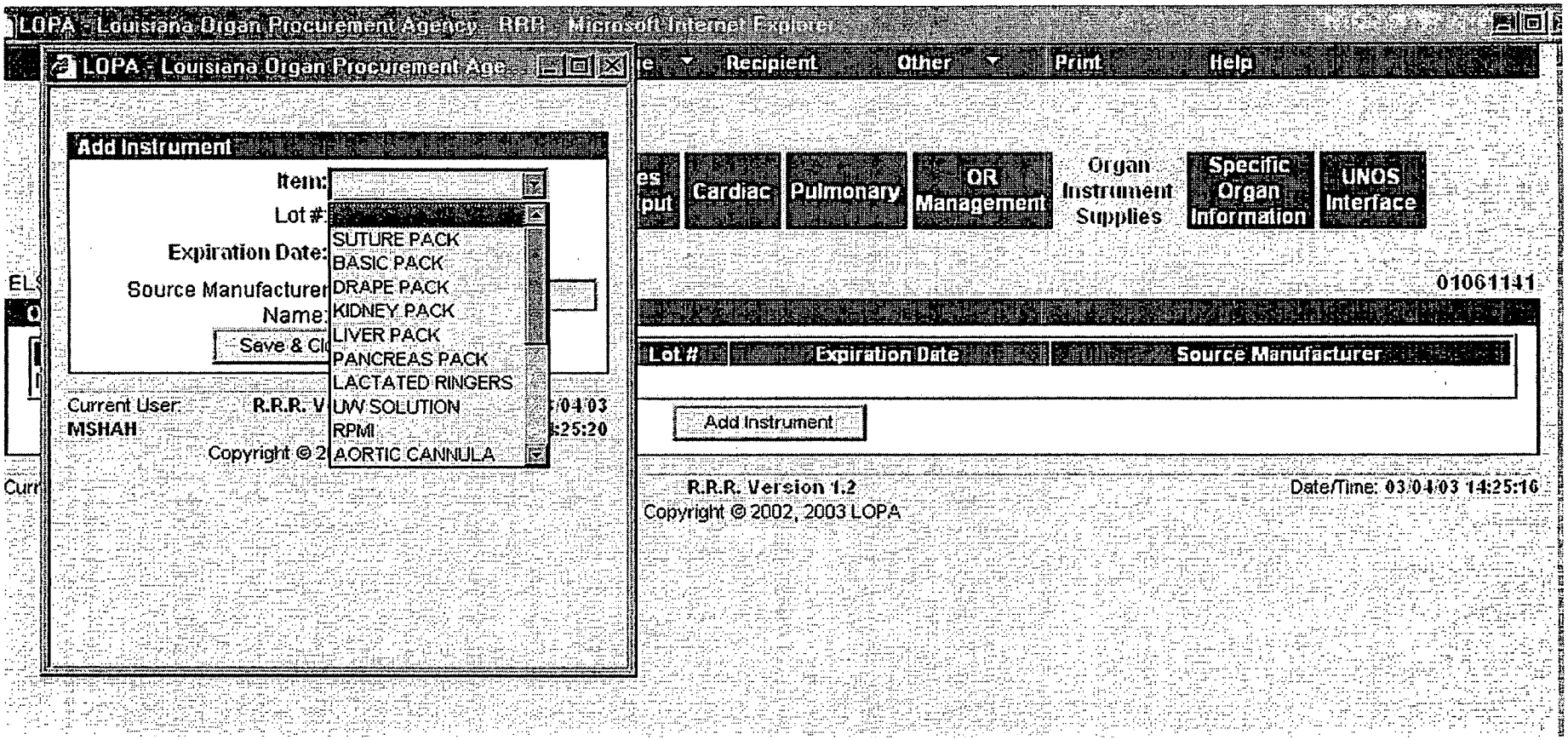


LOPA

Organ: OR Management – Example Validation

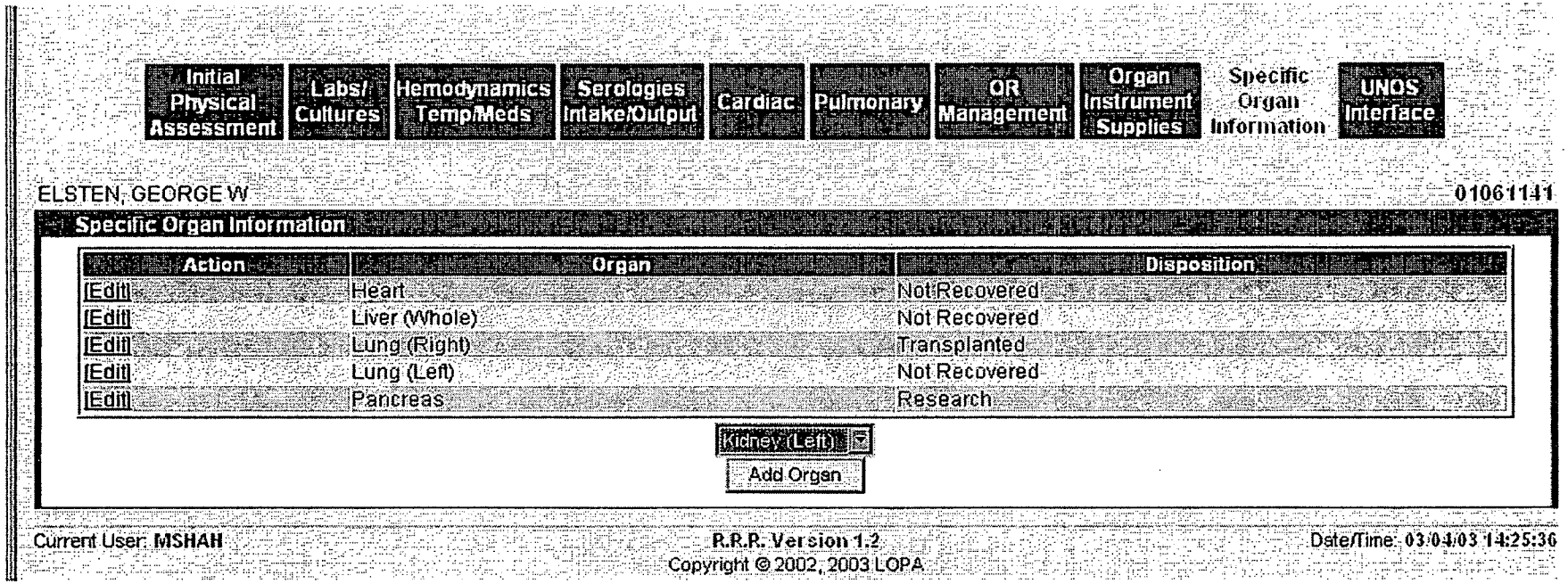


Organ: Instrument Supplies



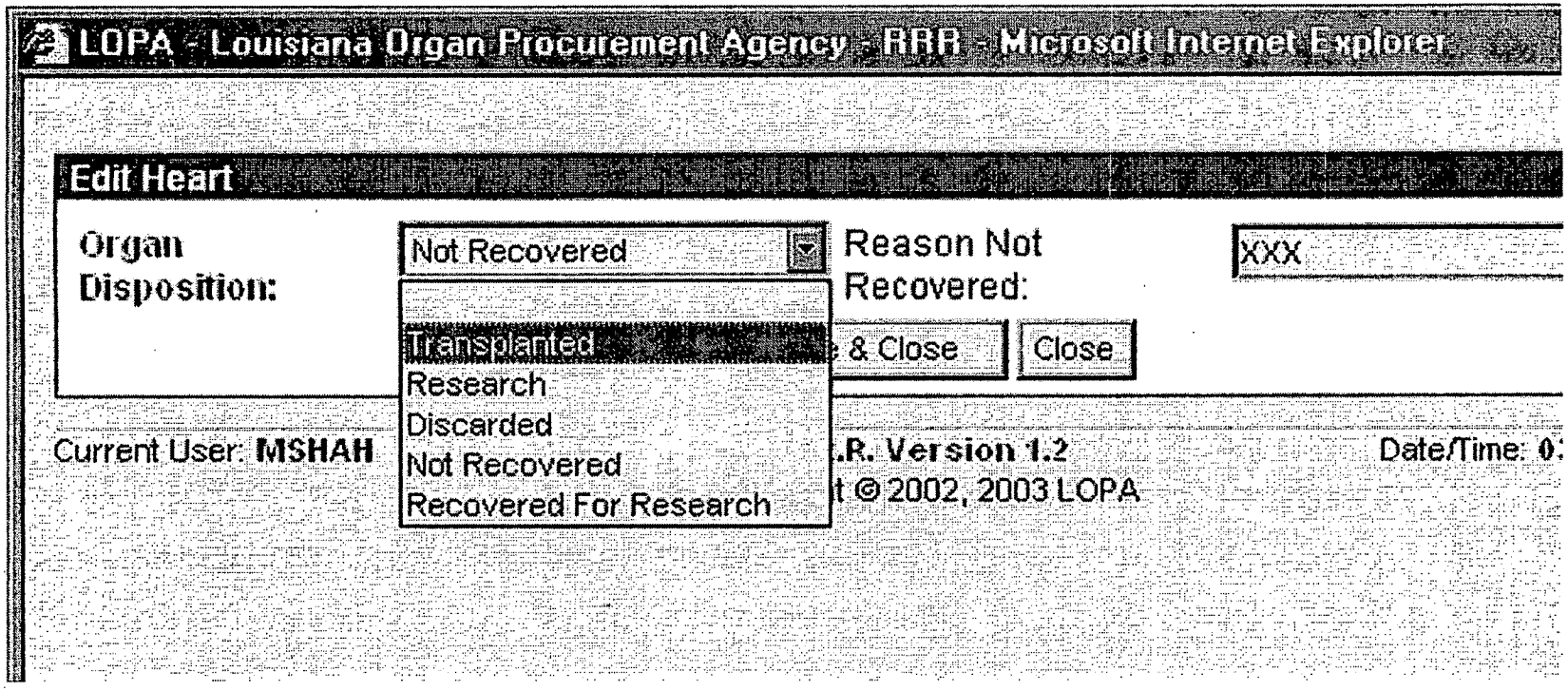
LOPA

Organ: Specific Organ Information

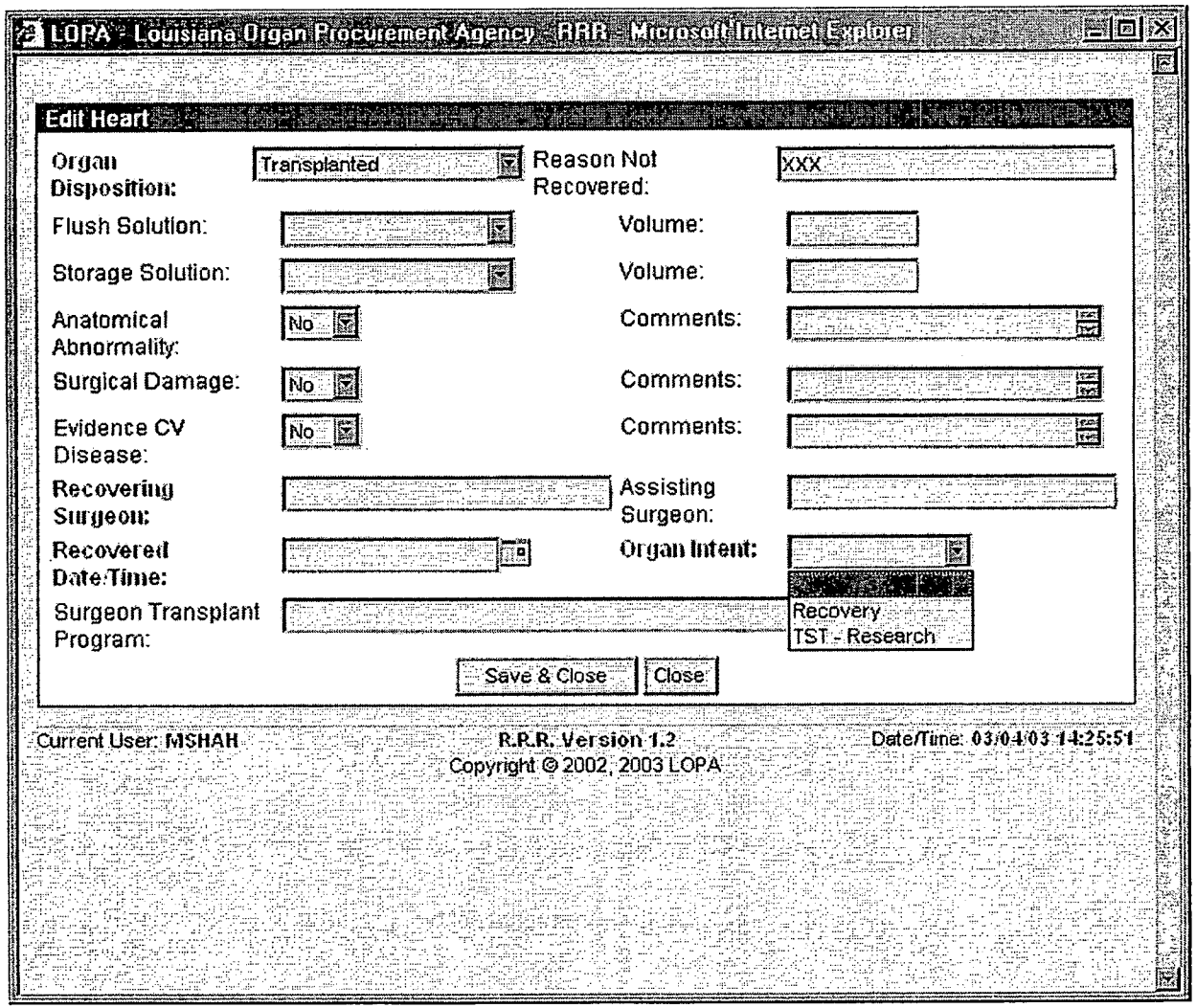


LOPA

Organ: Specific Organ- Heart

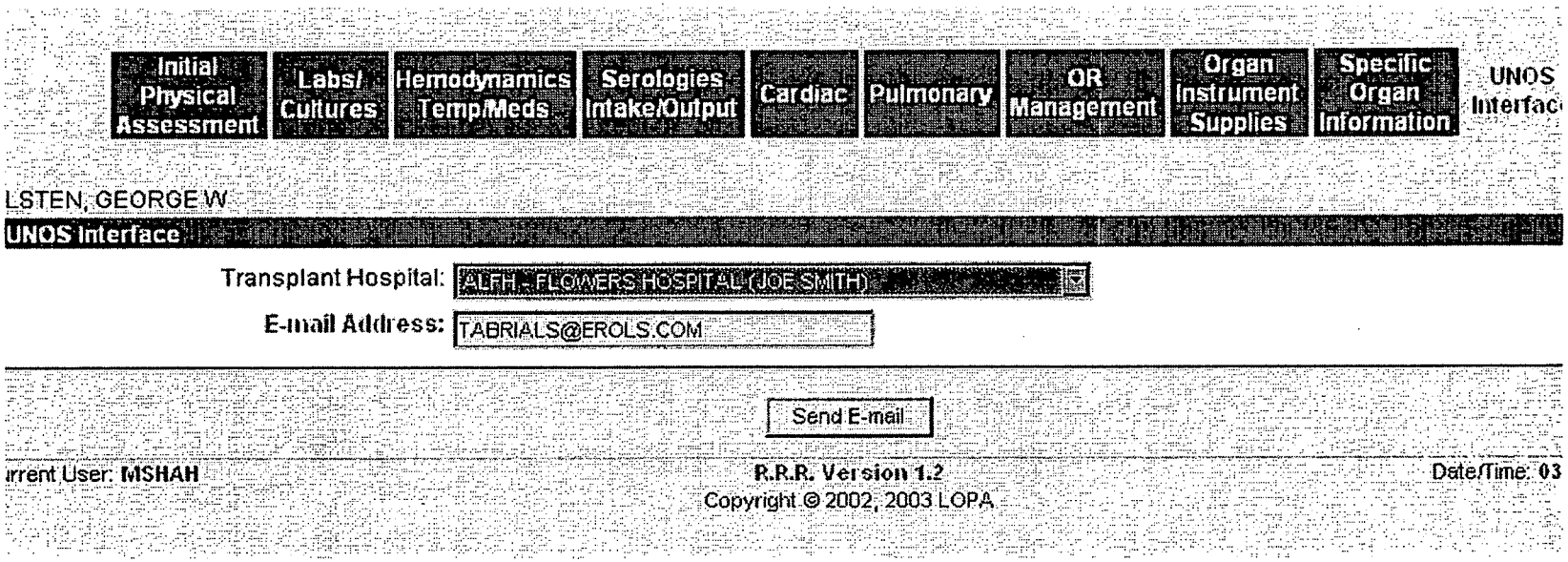


Organ: Specific Organ - Heart



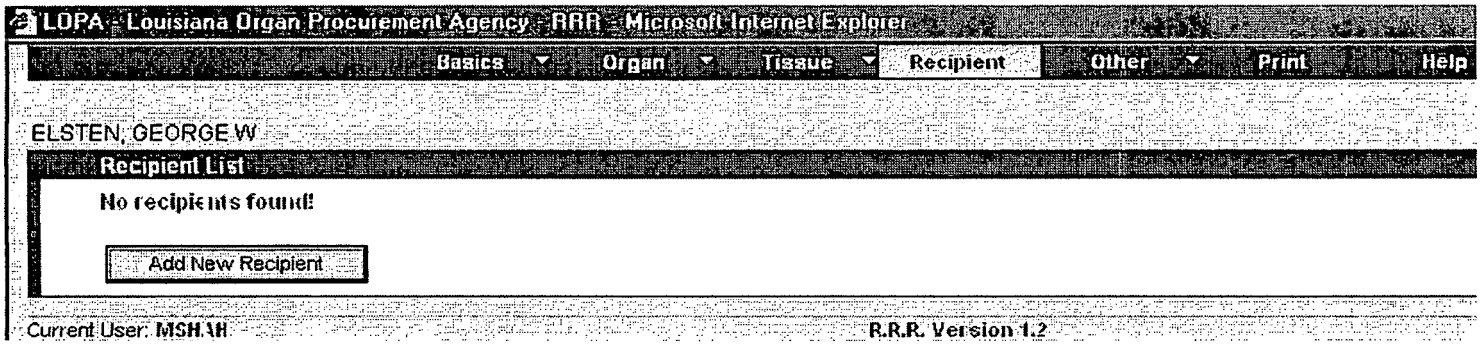
LOPA

Organ: Placement

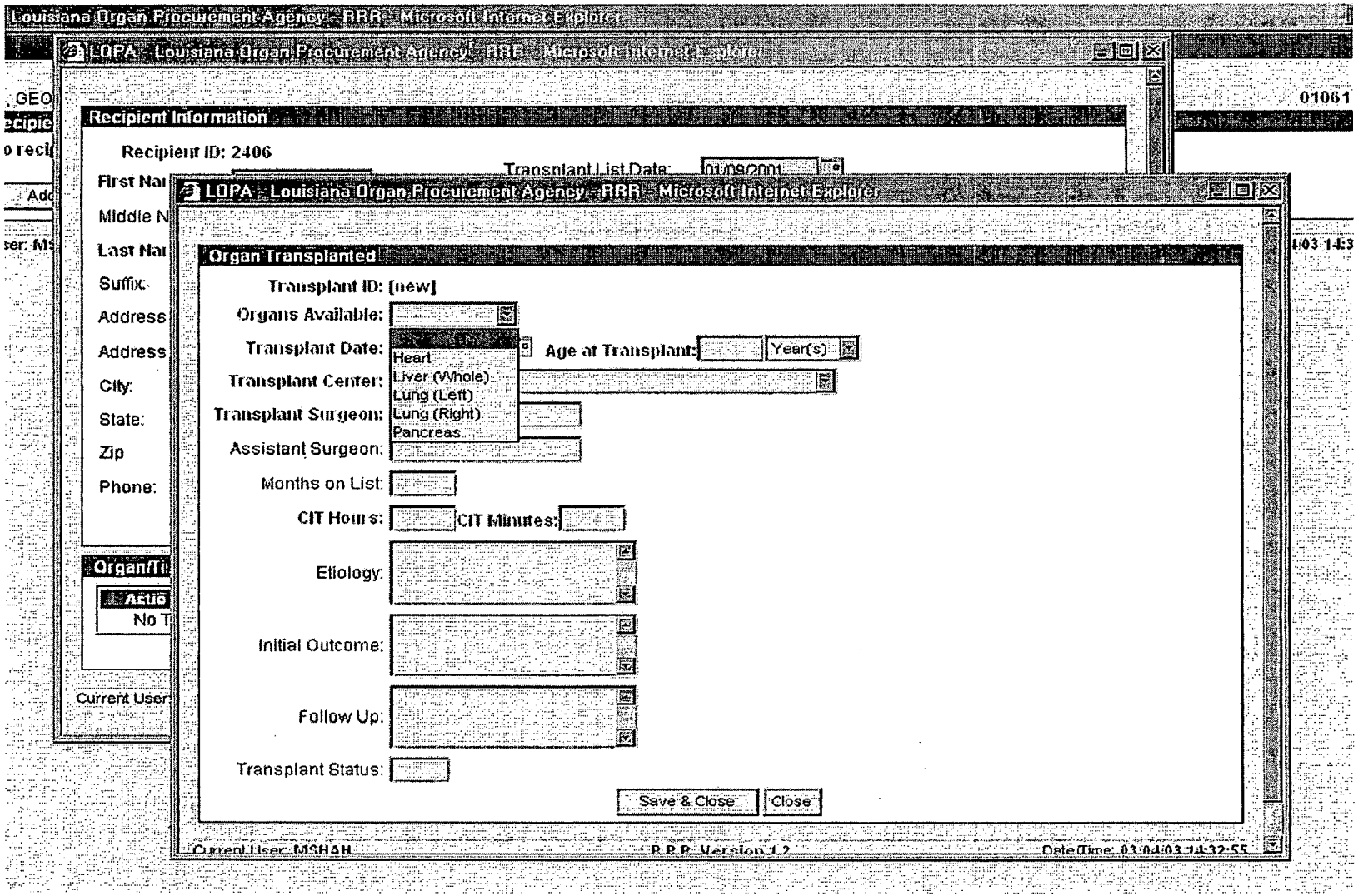


LOPA

Recipient Information

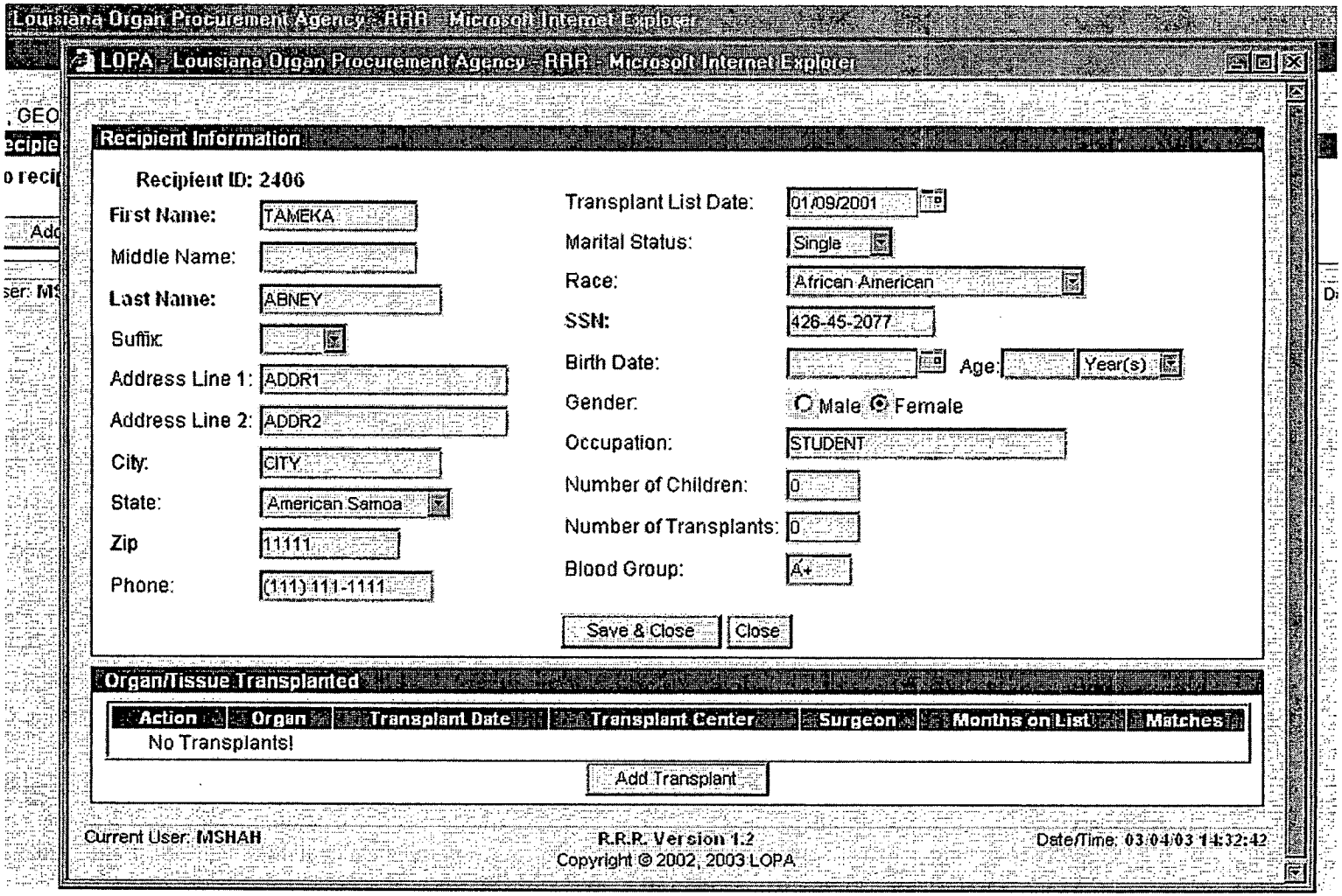


Recipient: Entering transplant information



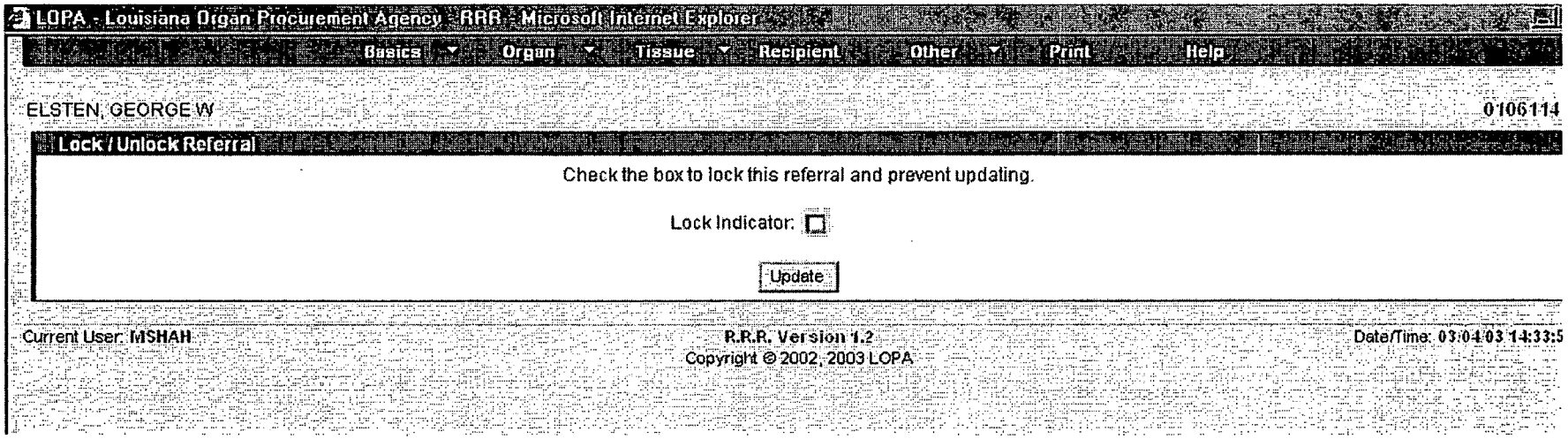
LOPA

Recipient: Edit Recipient



LOPA

Quality Assurance: Locking Records



Quality Assurance: Audit Trail

ELSTEN, GEORGE W

Audit Log

Action	Audit Date/Time	IP Address	User Name	Command
[Details(XML)]	10/22/2002 15:28:10 (Tue)	208.224.173.2	LANCE WEITZEL	refbasic.viewMain
[Details(XML)]	10/22/2002 15:28:20 (Tue)	208.224.173.2	LANCE WEITZEL	refmain.viewAudits
[Details(XML)]	10/23/2002 15:06:52 (Wed)	208.224.173.2	KEVIN BARKER	refbasic.viewMain
[Details(XML)]	10/23/2002 15:49:34 (Wed)	208.224.173.2	KEVIN BARKER	refbasic.viewMain
[Details(XML)]	10/23/2002 15:49:48 (Wed)	208.224.173.2	KEVIN BARKER	refbasic.viewTracking
[Details(XML)]	10/23/2002 15:51:15 (Wed)	208.224.173.2	KEVIN BARKER	refbasic.updTracking-viewTracking
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[Details(XML)]	10/23/2002 15:51:40 (Wed)	208.224.173.2	KEVIN BARKER	refbasic.updTracking-viewTracking
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[Details(XML)]	10/24/2002 10:28:13 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.updMainEntry-viewMain
[Details(XML)]	10/24/2002 10:28:23 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.viewSerology
[Details(XML)]	10/24/2002 10:28:32 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.updSerology-viewSerology
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[Details(XML)]	10/24/2002 10:28:47 (Thu)	208.224.173.2	KEVIN BARKER	reftissuesero.addSerologyForm
[Details(XML)]	10/24/2002 10:28:51 (Thu)	208.224.173.2	KEVIN BARKER	reftissuesero.addSerology
[Details(XML)]	10/24/2002 10:28:52 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.viewSerology
[Details(XML)]	10/24/2002 10:29:04 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.updSerology-viewSerology
[Details(XML)]	10/24/2002 10:29:12 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.updSerology-viewSerology
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[Details(XML)]	10/24/2002 10:29:23 (Thu)	208.224.173.2	KEVIN BARKER	reftissue.viewSerology
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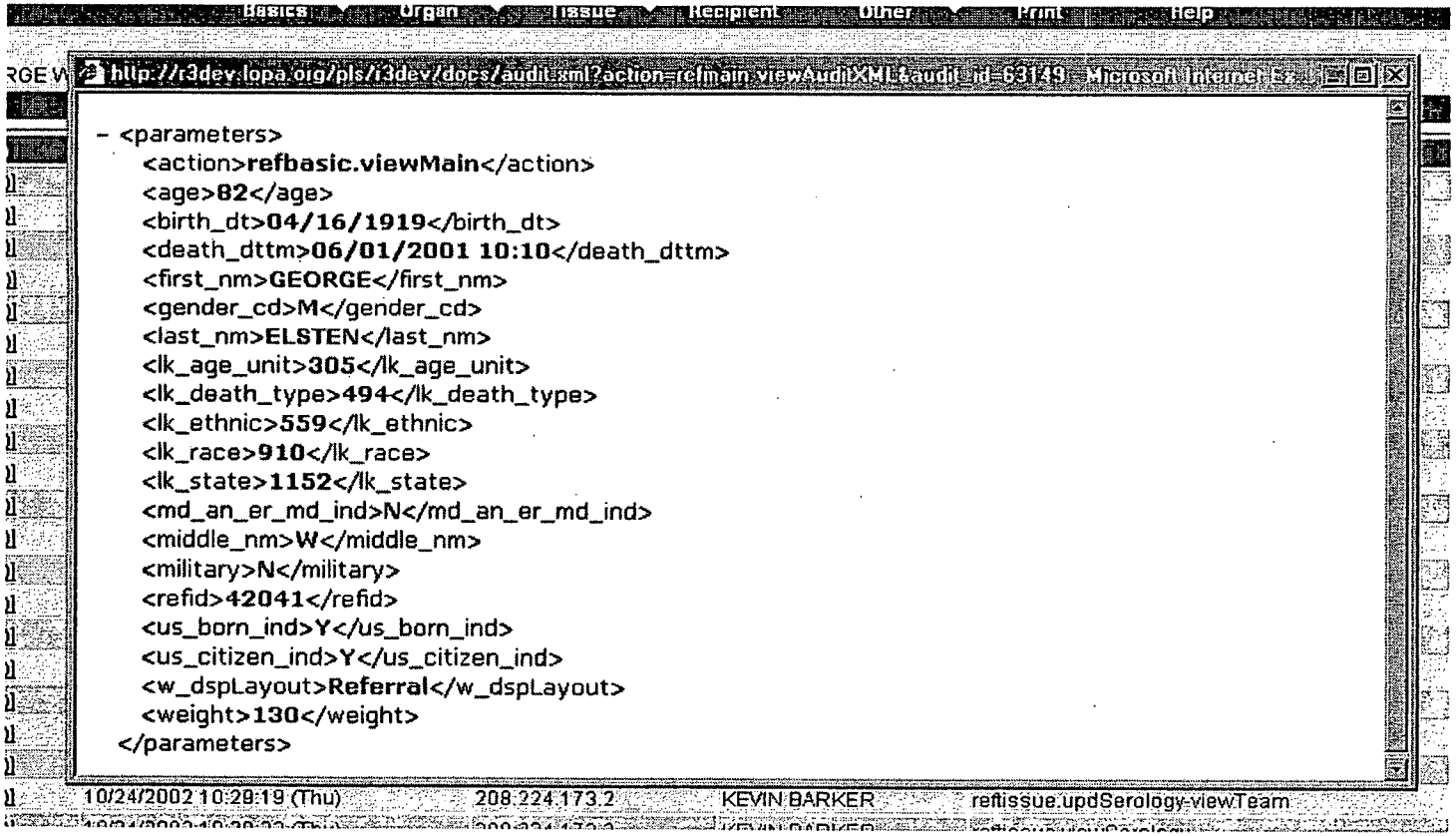
LOPA

Quality Assurance: Audit Trail



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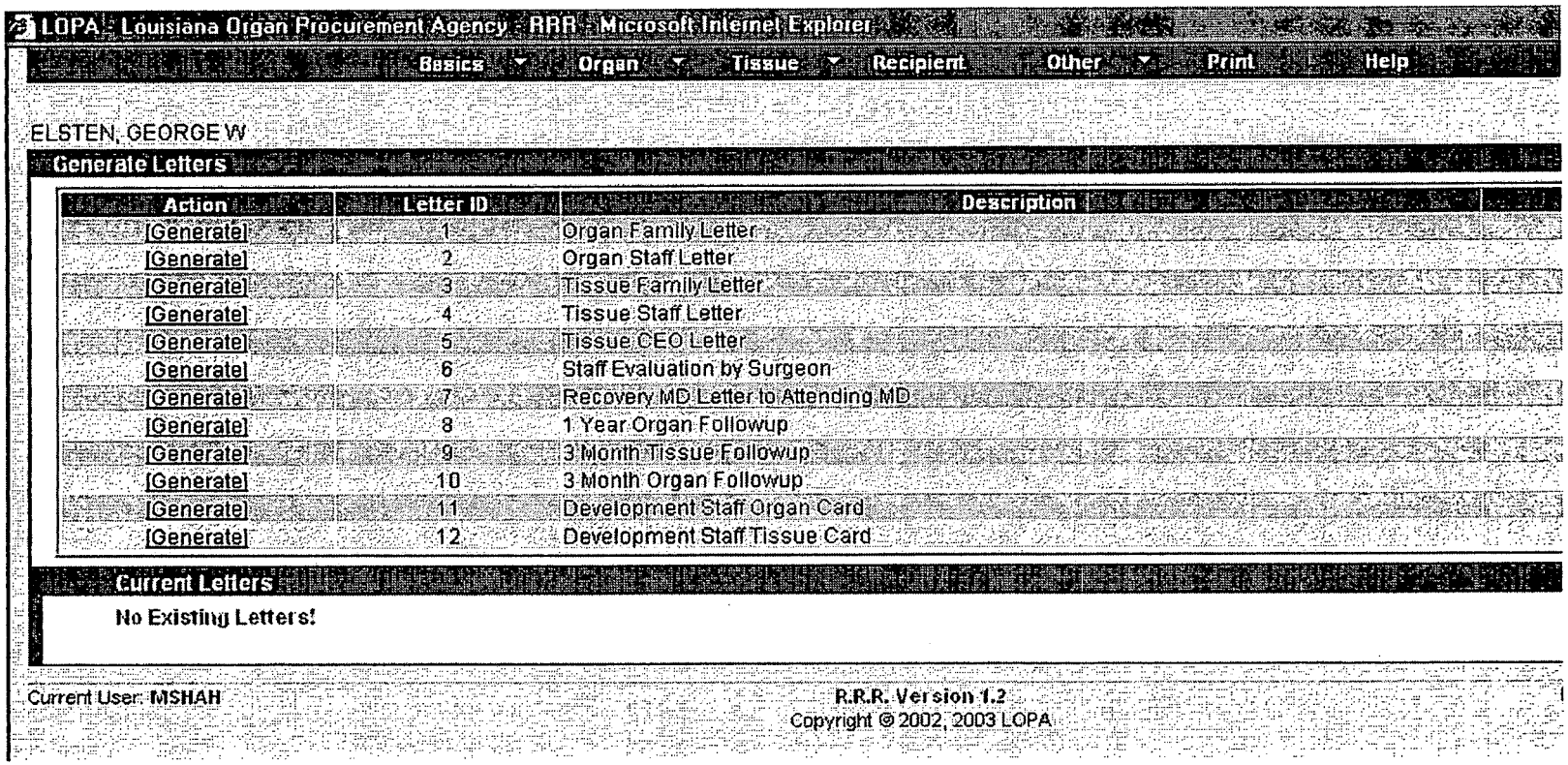
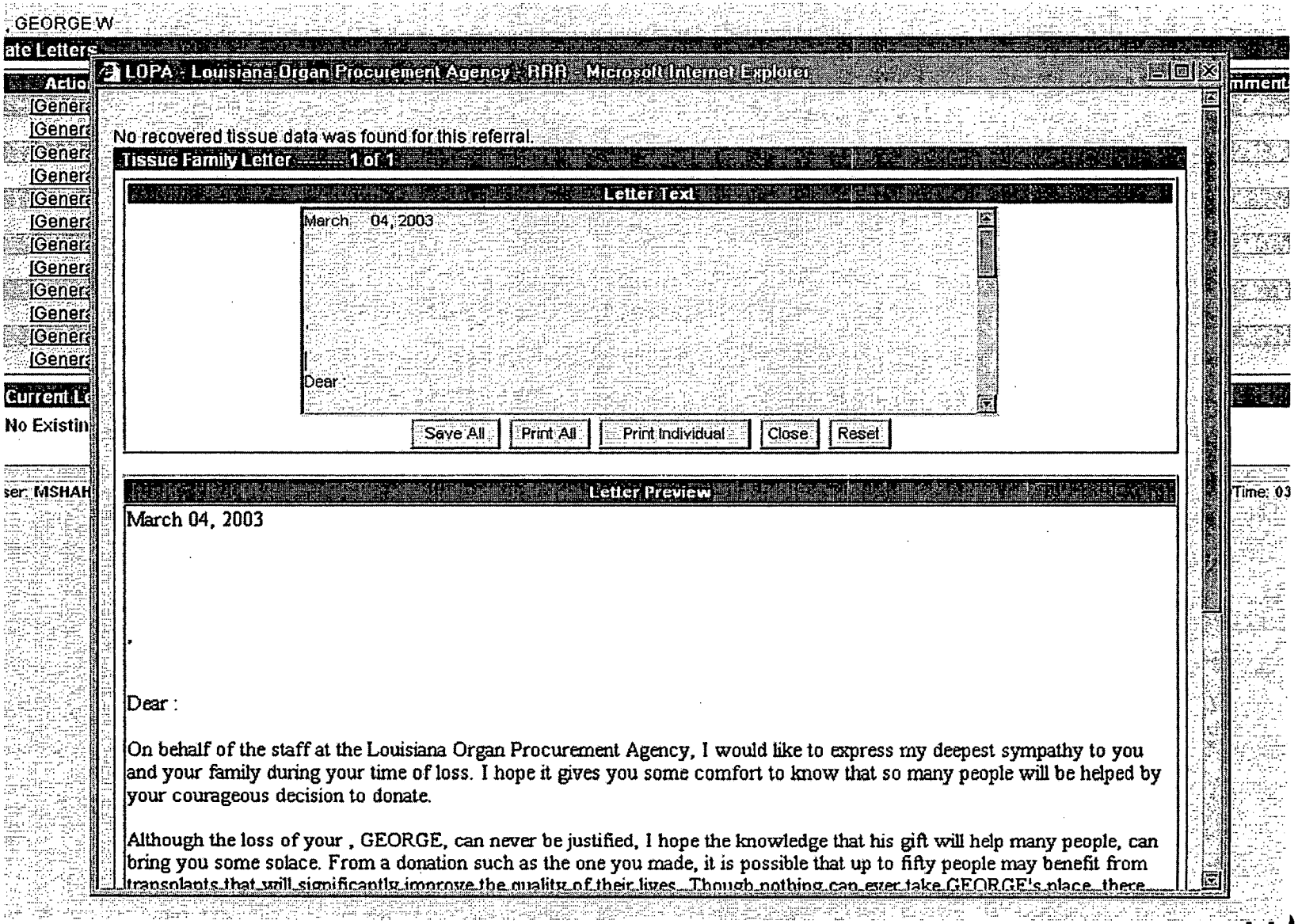
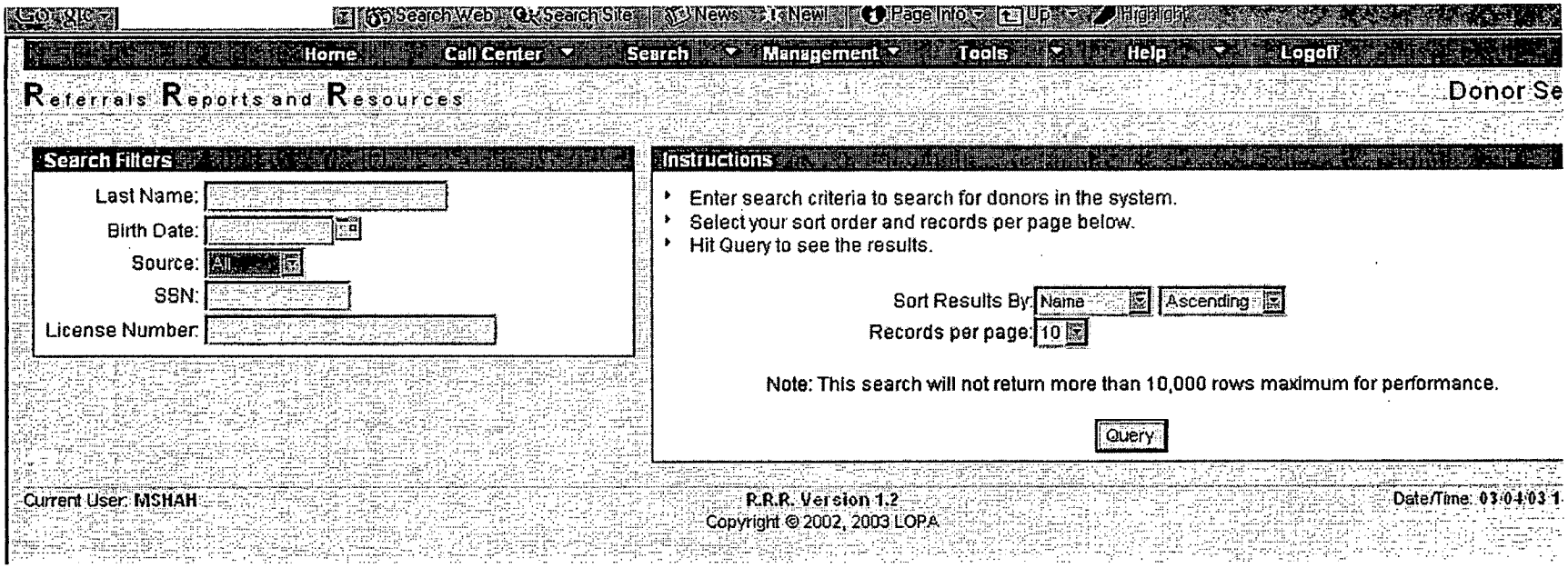
Referral Tools: Generate Letter



Other: Generate Letter



Registry Search



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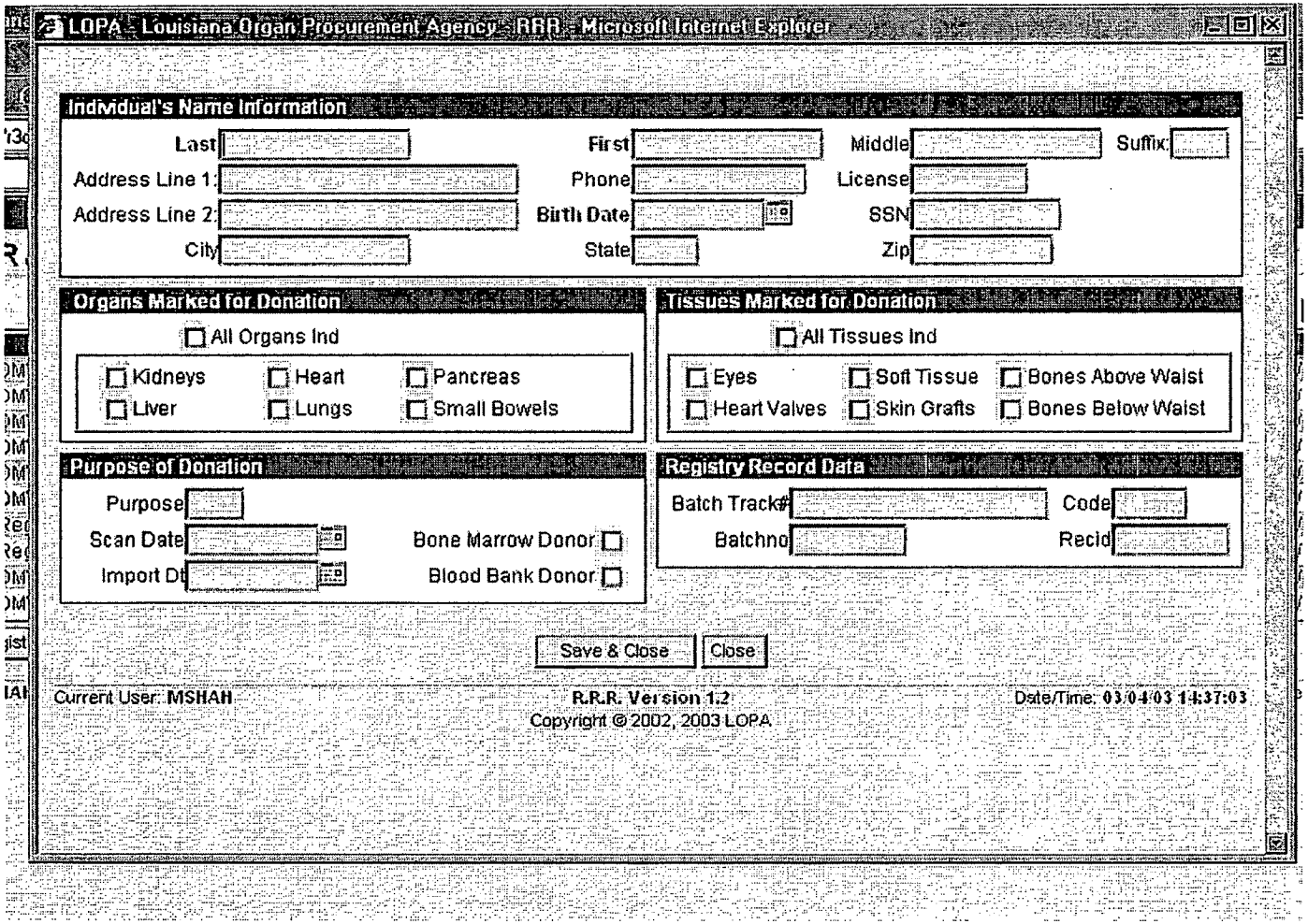
Add Registry Records



Questions?

Thank You!

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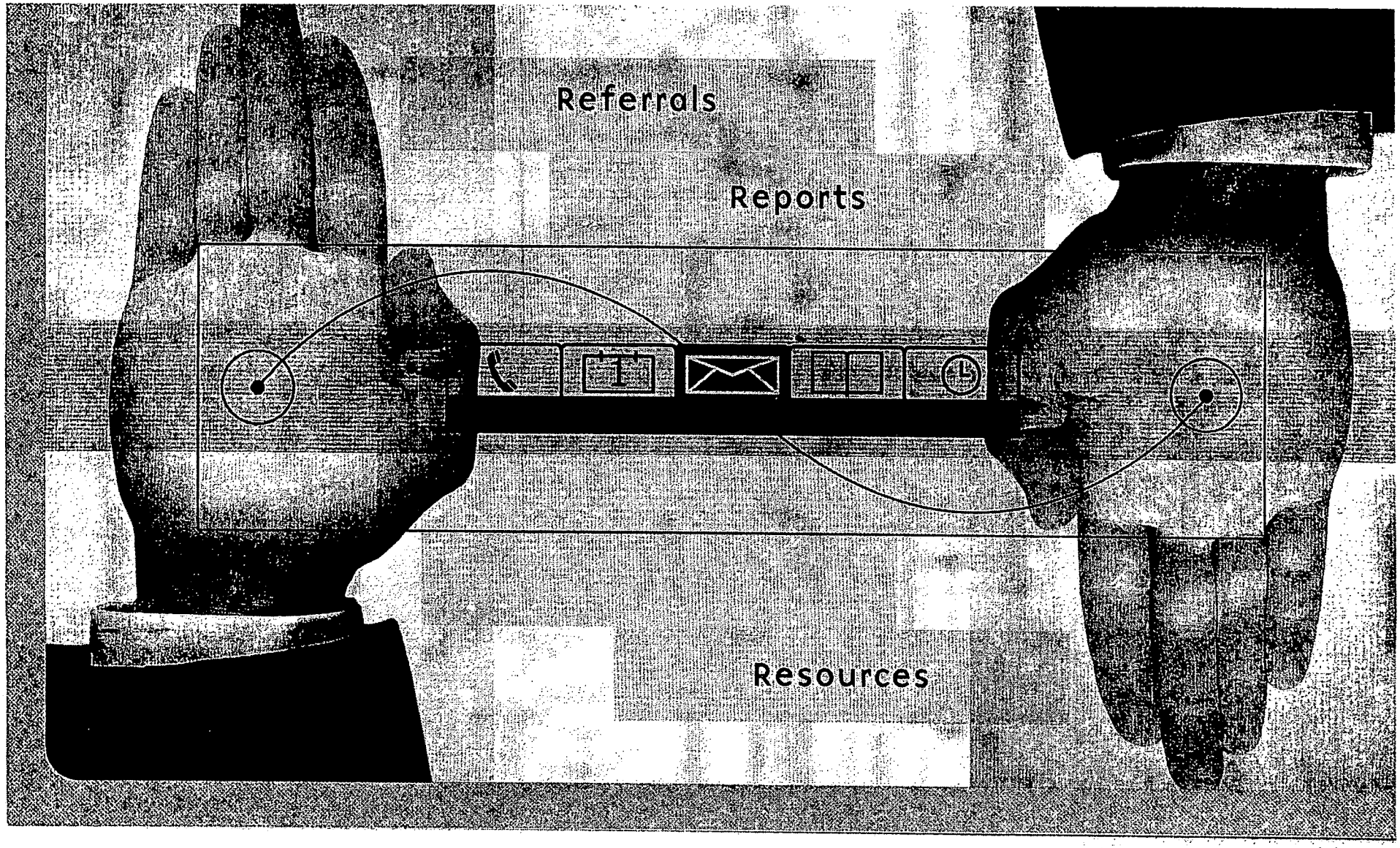
Introducing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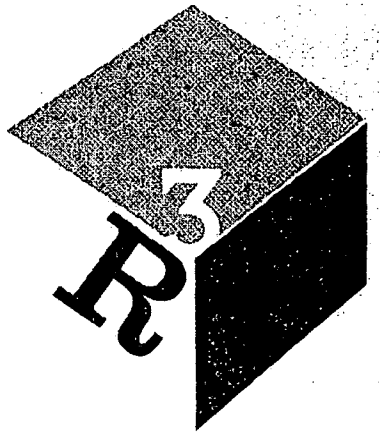
Referrals Reports Resources



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Referrals Reports Resources

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Chantilly, VA 20151

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